Multi-Task Homework Activity Sheets

Set 13 - Year 8

(Formerly Resource Code: **L4H**)

This resource is one of a series of 2 resources with an emphasis on

MATHEMATICS, ENGLISH, SCIENCE & SOCIAL STUDIES FACTS & SKILLS

for Years 7 to 8

Supplied as Photocopy Masters

Author: A. W. Stark

AWS Publications Ltd

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Author: A. W. Stark

S13

Authors:
J. E Connell & A. W. Stark

A note from the author,

Revised Homework / Revision Resources

This resource unit

*Set 13 - Multi-Task Activity Sheets', for Level 4 (Year 8)

is part of a set of 14 resource units as listed below.

Level 1	**Set 1**	(formerly L1A)	A set of 30 activity sheets for **Years 1/2**
	Set 2	(formerly L1B)	A set of 30 activity sheets for **Year 2**

Note: Sets 1 & 2 are sets of 30 activity sheets suitable for **years 1/2**. These resources introduce some formal Mathematics language, plus some FUN Mathematics and English activities. Designed to complement the BSM system.

Level 2	**Set 3**	(formerly L2C)	A set of 20 activity sheets for **Year 3**
	Set 4	(formerly L2D)	A set of 20 activity sheets for **Year 3**
	Set 5	(formerly L2A)	A set of 20 activity sheets for **Year 4**
	Set 6	(formerly L2B)	A set of 20 activity sheets for **Year 4**

Note: Sets 3 & 4 have been written mainly for year 3 pupils and **Sets 5 & 6** have been written mainly for year 4 pupils. The main difference between **Sets 3 & 4** and **Sets 5 & 6** is that the **Level 2** mathematics component is more difficult. This is a guideline only and you may choose to use them at other year groups.

Level 3	**Set 7**	(formerly L3C)	A set of 20 activity sheets for **Year 5**
	Set 8	(formerly L3D)	A set of 20 activity sheets for **Year 5**
	Set 9	(formerly L3A)	A set of 20 activity sheets for **Year 6**
	Set 10	(formerly L3B)	A set of 20 activity sheets for **Year 6**

Note: Sets 7 & 8 have been written mainly for year 5 pupils and **Sets 9 & 10** have been written mainly for year 6 pupils. The main difference between **Sets 7 & 8** and **Sets 9 & 10** is that the **Level 3** mathematics component is more difficult. This is a guideline only and you may choose to use them at other year groups.

Level 4	**Set 11**	(formerly L4A)	A set of 20 activity sheets for **Year 7**
	Set 12	(formerly L4B)	A set of 20 activity sheets for **Year 7**
	Set 13*	(formerly L4H)	A set of 20 activity sheets for **Year 8**
	Set 14	(formerly L4HB)	A set of 20 activity sheets for **Year 8**

Note: Sets 11 & 12 have been written mainly for year 7 pupils. These resources are similar to **Sets 1 to 10** in that they cover Mathematics and English skills only. **Sets 13 & 14** are **Multi-Task Activity Sheets** and cover not only Level 4 Mathematics objectives but other areas involving English, Social Studies and Science. The year group you use each resource at is only a guideline and you may choose to use them at other year groups.

These activity sheets are designed to complement work in other subject areas, that you may also set as homework. The emphasis in these activity sheets is on Mathematics and English skills. These resources are designed to assist pupils to learn and reinforce the basic skills in both areas, and provide an 'easy to use', but worthwhile resource for you, the teacher.

Within sets at each level, all Mathematics objectives as stated in the

MATHEMATICS in the New Zealand Curriculum

have been covered. (Some objectives briefly, as some are difficult as homework activities).

I wish you well with your teaching.

Andrew Stark

For more information contact ...

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NEW ZEALAND

Multi-Task Activity Sheet

For each activity within a sheet …
- The **Strand** or **Language Function** from the relevant Curriculum Statements is written in CAPITALS.
- The **Contexts of Study** are written below the Strands.
- A **skill** that will be practised in completing the activity is written in *italics*.

This index will help you choose the best sheets for your students, whether you are pre-testing, assessing, giving revision or practice of skills for homework.

No	Writing	Mathematics [not including 10 QQs]	Science	Social Studies*	Language Skills	Media Studies	Challenge
1	**POETIC** adventure story *expressive title*	**NUMBER** + and – of decimals *place value*	**LIVING WORLD** Panda Bear *research*	**PLACE & ENVIRONMENT** Canada *using an atlas*	homonyms *spelling*	**CLOSE READING** sports article *processing info*	**NUMBER** number puzzle *place value*
2	**POETIC** mystery story *text matching picture*	**NUMBER** multiplication *accuracy with large numbers*	**LIVING WORLD** Rhinoceros *research*	**PLACE & ENVIRONMENT** U.S.A. *using an atlas*	adjectives *vocabulary*	**CLOSE READING** headline *exploring lang.*	**NUMBER** magic squares *addition*
3	**POETIC** humorous story *speech conventions*	**NUMBER** properties of numbers *squares, factors, multiples*	**EARTH & BEYOND** Astronomy *general knowledge*	**CULTURAL HERITAGE** N. Z. history *research, general knowledge*	similes *creativity*	**CLOSE READING** crime *thinking critically*	**NUMBER** spelling activity and addition
4	**TRANSACTIONAL** directions *detailed instructions*	**NUMBER** rounding whole & decimal nos. *place value*	**PHYSICAL WORLD** Rangi's torch *understanding circuits*	**PLACE & ENVIRONMENT** Countries and cities *using an atlas, general knowledge*	wordfind *using dictionary*	**CLOSE READING** national news *processing info.*	**NUMBER** number wall *addition*
5	**EXPRESSIVE** letter to penpal *letter conventions*	**NUMBER** integers *meaning of negative numbers*	**MATERIAL WORLD** thermometer *mercury and how it works*	**PLACE & ENVIRONMENT** Japan *using an atlas*	proofread *spelling*	**CLOSE READING** local news *processing info.*	**NUMBER** magic square *addition*
6	**POETIC** advertisement *facts, rhymes, vocabulary*	**GEOMETRY** polygons *understanding vocabulary*	**LIVING WORLD** koala bear *research*	**SOCIAL ORG. & PROCESSES** Civil defence emergency *decision-making*	alphabetical order *using dictionary*	**VIEWING** captions *processing info.*	**NUMBER** consumer maths *addition & mult.*
7	**EXPRESSIVE** letter to Ed. *letter conventions*	**MEASUREMENT** reading scales *accuracy*	**MATERIAL WORLD** recycling *understanding organic / inorganic*	**PLACE & ENVIRONMENT** world knowledge *research, general knowledge*	alliteration *creativity*	**CLOSE READING** sports article *processing info*	**GEOMETRY** triangle *persistance*
8	**POETIC** imaginative story *descriptive language*	**MEASUREMENT** metric abbreviations *understanding vocab*	**EARTH & BEYOND** precipitation *sequencing, drawing diagrams*	**PLACE & ENVIRONMENT** Australia *using an atlas, comparing*	alphabetical order *using dictionary*	**CLOSE READING** crime *thinking critically*	**NUMBER** multiplication *accuracy/speed*
9	**POETIC** mystery story *speech conventions*	**MEASUREMENT** perimeter *understanding formula*	**LIVING WORLD** food chain *drawing diagrams, research*	**PLACE & ENVIRONMENT** N.Z. *general knowledge*	Te Reo Maori *vocabulary*	**CLOSE READING** famous people *research*	**GEOMETRY** spatial geometry *investigating*
10	**POETIC** dramatic story *beginning, mid, end.*	**MEASUREMENT** area *understanding formulae*	**EARTH & BEYOND** rocks *classifying, research*	**CULTURAL HERITAGE** N.Z. history *creative thinking*	contractions *punctuation*	**VIEWING** news on T.V. *thinking critically*	**NUMBER** consumer maths *mult.& addition*

✱At time of printing only the Draft Curriculum was available

Set 13

Multi-Task Activity Sheet

For each activity within a sheet …
- The **Strand** or **Language Function** from the relevant Curriculum Statements are written in CAPITALS.
- The **Contexts of Study** are written below the Strands.
- A **skill** that will be practised in completing the activity is written in *italics*.

This index will help you choose the best sheets for your students, whether you are pre-testing, assessing, giving revision or practice of skills for homework.

No	Writing	Mathematics [not including 10 QQs]	Science	Social Studies*	Language Skills	Media Studies	Challenge
11	POETIC adventure story *effective title*	MEASUREMENT time *analogue, digital & 24hr*	LIVING WORLD erosion *forming conclusions*	PLACE & ENVIRONMENT Great Britain *using an atlas*	homonyms *spelling*	CLOSE READING national news *processing information*	NUMBER understanding numbers
12	POETIC humourous story *vocabulary*	GEOMETRY (circles) *understanding the vocabulary using a compass*	LIVING WORLD Monarch butterfly *drawing diagrams*	PLACE & ENVIRONMENT Australia *using an atlas*	abbreviations *dictionary*	CLOSE READING local news *processing information*	technology
13	POETIC creative story *speech punctuation*	GEOMETRY line *understanding the vocabulary*	MATERIAL WORLD states of matter *understanding particles*	SOCIAL ORG. & PROCESSES data *interpreting bar graphs*	homonyms *spelling*	CLOSE READING crime *thinking critically*	technology
14	TRANSACTIONAL directions *detailed instructions*	GEOMETRY transformations *understanding reflection*	PHYSICAL WORLD common events *explaining, using scientific lang.*	PLACE & ENVIRONMENT France *using an atlas*	Te Reo Maori *vocabulary*	CLOSE READING advertising *processing information*	NUMBER operations
15	EXPRESSIVE letter to penpal *letter conventions*	GEOMETRY enlargement *identifying properties*	LIVING WORLD plant survival *investigation and deduction*	PLACE & ENVIRONMENT world knowledge *using an atlas*	plurals *spelling*	CLOSE READING Letters to the Ed *thinking critically*	NUMBER number puzzle
16	TRANSACTIONAL advertisement *giving information*	ALGEBRA co-ordinates *interpret number pairs*	SCIENCE & TECHNOLOGY inventions *drawing conclusions*	TIME, CONT. & CHANGE world history *making a time line*	prefixes *spelling*	CLOSE READING T.V. programmes *making decisions*	problem-solving
17	POETIC dramatic commentary *developing tension*	ALGEBRA patterns *rules for number sentences*	MATERIAL WORLD product labelling *investigating, gathering data*	CULTURAL HERITAGE fact or opinion *critical thinking*	*using a dictionary*	CLOSE READING good news *processing information*	lateral thinking
18	POETIC descriptive story *vocabulary*	NUMBER money *+ and X*	LIVING WORLD amphibians *research, diagrams*	SOCIAL ORG. & PROCESSES data *drawing a bar graph*	*using a dictionary*	CLOSE READING famous N.Zer *research*	GEOMETRY symmetry
19	POETIC speech bubbles *originality / creativity*	STATISTICS graph *read graph, gather data*	LIVING WORLD reptiles *research, diagrams*	TIME, CONT. & CHANGE elections *understanding terms*	homonyms *spelling*	CLOSE READING advertising *processing information*	code
20	POETIC mystery story *vocabulary*	STATISTICS probability *collect data, predict*	MATERIAL WORLD acid rain *research, forming opinions*	PLACE & ENVIRONMENT South America *using an atlas*	*punctuation & spelling*	CLOSE READING good news *processing information*	magic circle

✱At time of printing only the Draft Curriculum was available

❶ 10 Quick Questions

✳ (Try not to use a calculator)

| 1. | 134 + 269 | 2. | 2345 + 890 | 3. | 1569 – 527 |

| 4. | 787 – 269 | 5. | 1000 – 460 | 6. | 2000 – 1624 |

7.   124 + 311 = ...
8.   284 + 97 + 52 = ...
9.   184 – 81 = ...
10.   603 – 159 = ...

❸ Decimal Calculations

| 1. | 33.4 + 16.5 | 2. | 102.3 + 72.8 | 3. | 48.56 + 7.96 |

| 4. | 8.59 – 4.26 | 5. | 245.6 – 76.8 | 6. | 100.00 – 52.42 |

7.   2.35 + 4.68 = ...
8.   13 + 4.89 + 0.5 = ...
9.   1.25 – 0.72 = ...
10.   14 – 7.12 = ...

❷ Written Language

Write about this boy's adventure on a giant fish.

□ Choose a title for your piece that 'hooks' your readers' attention.

□ Here are some words that might help you:

immense, substantial, transport, grasp, thrilled, curious, ocean

✳ I will write (tick box) a □ paragraph or □ ½ page or □ 1+ pages

❹ The Living World

1. Name this animal.
2. What is this animal's country of origin ?
3. What is this animal's natural habitat ?
4. What does this animal usually eat ?
5. How does this animal protect itself from danger ?
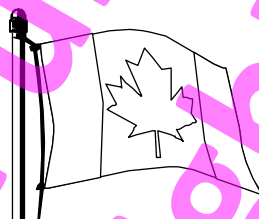6. What is this animal's life span ?
7. Is this animal endangered ?

❺ Puzzle

Copy the grid. Place each number in the grid, using each number once.

459, 616, 3182, 4538, 5264, 6089, 8395, 8691, 426342, 467214 (one has been done)

				▨	
▨	▨				
				▨	
▨		3	1	8	2
			▨		
	▨				

❻ Getting to know our World

1. What country has this flag ?
2. Trace or copy this flag and colour it in with the correct colours.
3. Name the capital city of this country.
4. What is the approximate population ?
5. What language do they speak ?
6. What currency do they use ?
7. Find two ways in which this country is similar to N.Z.
8. Find two ways in which this country is different from N.Z.

❼ Language Skills

Copy each sentence and fill in the gaps.

□ Use the words **'to'**, **'too'**, or **'two'** only.
1. One plus one equals ....
2. It takes .... start a fight.
3. It is .... dark .... see clearly.

□ Use the words **'of'** or **'off'** only.
4. Most .... the children did their homework.
5. Don't put your homework .... until tomorrow.
6. A friend ...... mine got .... the bus.

□ Use **'there'**, **'their'** or **'they're'** only.
7. Go .... on your way home.
8. The children put .... books over ....
9. Are they coming ? No .... not.
10. Where are .... friends? Over ....

❽ Media Studies

Find a sporting event article in a newspaper.
Read, then answer ...
1. What is the sport ?
2. When was the sport played ?
3. Who was playing ?
4. Where was the sport played ?
5. Who won ?

This Homework / Revision Activity Sheet was given out on

....

and is to be completed and handed in by

....

Do not forget !

Please Sign: Parent/Caregiver

Set 13 — Multi-Task Activity Sheet 2

Name: _____   Class: _____

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. 5 × 8 = ...
2. 6 × 8 = ...
3. 6 × 9 = ...
4. 3 × 12 = ...
5. 7 × 10 = ...
6. 9 × 7 = ...
7. 9 × 11 = ...
8. 5 × 9 = ...
9. 4 × 9 = ...
10. 7 × 6 = ...

❸ Multiplication Skills
(Show your working ! !)

1. 412 × 5
2. 152 × 6
3. 964 × 9
4. 3684 × 4
5. 1672 × 8
6. 4562 × 11
7. 169 × 15
8. 243 × 27
9. 569 × 39

10. Super challenge !
How quickly can you complete this long multiplication problem ?
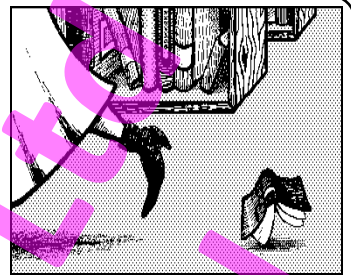Record your time in the box below.
(show your working) _____

4169 × 745

❷ Written Language

Behind every picture there is a story.
▫ What has happened here in this library ?
▫ Does the woman know about the book behind her on the floor ?
▫ Is she in a hurry ?
Write your version of what has happened.

❋ I will write (tick box) a ☐ paragraph or ☐ ½ page or ☐ 1⁺ pages

❹ The Living World

1. Name this animal.
2. What is this animal's country of origin ?
3. What is this animal's natural habitat ?
4. What does this animal usually eat ?
5. How does this animal protect itself from danger ?
6. What is this animal's life span ?
7. Is this animal endangered ?

❻ Media Studies

▫ Copy the **main headline** in today's paper ?
▫ Rewrite the headline so that it still makes sense.

❺ Magic Squares

Work out the missing numbers that go in each box to make all columns, rows and diagonals add to the same number.
(Note, each magic square has a different total.)

1.

12		10
	9	
8		

2.

14		
12	10	8

❼ Getting to know our World

1. What country has this flag ?
2. Trace or copy this flag and colour it in with the correct colours.
3. Name the capital city of this country.
4. What is the approximate population ?
5. What language do they speak ?
6. What currency do they use ?
7. Find two ways in which this country is similar to New Zealand.
8. Find two ways in which this country is different from New Zealand.
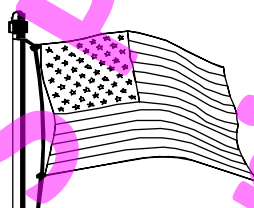
❽ Language Skills

Copy these sentences placing the best adjective from the list of words below to fit into each of the following gaps.

1. The earthquake was a .... disaster.
2. The police arrested a man because he was acting in a .... manner.
3. Pizza and McDonalds are my .... foods.
4. People who give things away are ....
5. Knitting patterns can be ....
6. A lion is a very .... animal.
7. The SPCA deals with people who are .... to animals.

generous, suspicious, cruel, fierce, favourite, terrible, complicated

This Homework / Revision Activity Sheet was given out on
....
and is to be completed and handed in by
....

Do not forget !

Please Sign:
Parent/Caregiver

Set 13 — Multi-Task Activity Sheet 3

Name: .... Class: ....

❶ 10 Quick Questions
※ (Try not to use a calculator)

1. $12.089 + 3.45 =$ ....
2. How many days in 3 weeks ? ....
3. $45.9 \times 0.6 =$ ....
4. $12824 \div 4 =$ ....
5. How many minutes in 5 hours ? ....
6. $\$2.45 \times 6 =$ ....
7. Name this shape ⬭ ....
8. Convert 2000 m to km ....
9. $24 + 4 \times 5 =$ ....
10. Find 10% of $45.00 ....

❸ Number Facts
Squares, square roots & other powers

1. $5^2 =$ .... 2. $9^2 =$ ....
3. $6^2 =$ .... 4. $20^2 =$ ....
5. $\sqrt{49} =$ .... 6. $\sqrt{64} =$ ....
7. $\sqrt{121} =$ .... 8. $\sqrt{625} =$ ......
9. $3^4 =$ .... 10. $2^5 =$ ....

List the next 4 **multiples** for each number, given the first number.
11. 5, ..., ..., ..., ...
12. 7, ..., ..., ..., ...
13. List the **factors** of 12
    ....
14. List the **factors** of 32
    ....
15. List the **prime numbers** between 20 and 40
    ....

❷ Written Language

These two unfortunate travellers appear to be having some trouble.
▫ Explain how they came to be in this situation.
▫ Include some conversational language between the two travellers.
▫ Remember to start a new line each time a new person speaks.

※ I will write (tick box) a ▢ paragraph or ▢ ½ page or ▢ 1⁺ pages
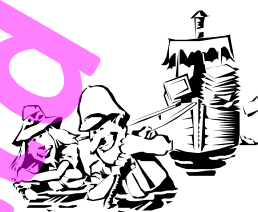
❹ Planet Earth & Beyond
Match the numbers in list A with the letters in list B

	List A		List B
1.	The largest planet	A.	Earth
2.	The shortest day	B.	Sun
3.	Satellite of earth	C.	December 22nd
4.	Planet nearest our sun	D.	Going around
5.	Circles sun in 365 days	E.	Jupiter
6.	Mars	F.	Named after God of War
7.	A star	G.	June 21st
8.	Orbiting	H.	Where the sun rises
9.	East	I.	Moon
10.	The longest day	J.	Mercury

❺ Challenge

How many words can you make out of this word ?

SCRAMBLE

▫ Each letter scores points as in the table.
▫ Add up the points for each letter, to give you a word total.
▫ Add up all word totals.
▫ Is your total over 200 points ?

S	1
C	3
R	2
A	1
M	3
B	3
L	2
E	1

❻ Media Studies

Find a report of a crime in your newspaper.

▫ Write one or two paragraphs about the crime.
▫ What do you think the punishment should be ?

❼ New Zealand History

※ Match these N Z disasters (1 to 8), with the year they occurred, using the box at the right (A to H).

1. Eruption of Mt. Tarawera
2. Rainbow Warrior was sunk in Auckland
3. Murchison earthquake
4. Hawke's Bay earthquake
5. Ballantyne's fire in Christchurch
6. Air crash on Mt Erebus
7. Tangiwai train crash
8. Wahine ship wreck in Wellington harbour.

A.	1929
B.	1947
C.	1886
D.	1953
E.	1931
F.	1968
G.	1985
H.	1979

❽ Language Skills

Similes are used in writing to describe things more fully. They compare one thing with another.
Complete these descriptions using your own ideas:

1. As lonely as .... 6. As beautiful as ....
2. As ugly as .... 7. As loud as ....
3. As tall as .... 8. As quiet as ....
4. As grumpy as .... 9. As friendly as ....
5. As angry as .... 10. As cruel as ....

Do not forget !

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and is to be completed and handed in by
....

Please Sign:
Parent/Caregiver

Set 13 — Multi-Task Activity Sheet 4

Name: _____   Class: _____

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. 541.7 – 234.8 = ...
2. How many days in 4½ weeks ?
   ....
3. 12.3 × 0.04 = ...
4. 12630 ÷ 5 = ...
5. How many hours in 3¾ days ?
   ....
6. $18.60 ÷ 3 = ...
7. Name this shape
   ....
8. Convert 5.2 km to metres
   ....
9. 16 – 3 × 4 = ...
10. Find 10% of $84.00 ....

❸ Rounding

Round to the nearest 10

1. 13 = ... 2. 76 = ...
3. 85 = ... 4. 124 = ...
5. 458 = ... 6. 105 = ...

Round to the nearest 100

7. 113 = ... 8. 256 = ...
9. 85 = ... 10. 1150 = ...

Round to the nearest whole number

11. 2.6 = ... 12. 9.4 = ...
13. 20.7 = ... 14. 64.5 = ...
15. Round each number to the nearest whole number, before calculating the answer 20.4 + 109.6 – 75.2 =
.... + ... – .... = ...

❷ Written Language

This pirate has buried his treasure on a desert island.
Draw a framed map of the island showing:
 ▢ five or more main features (e.g. cave)
 ▢ a key for these features
 ▢ a scale (e.g. 1 cm = 10 m)
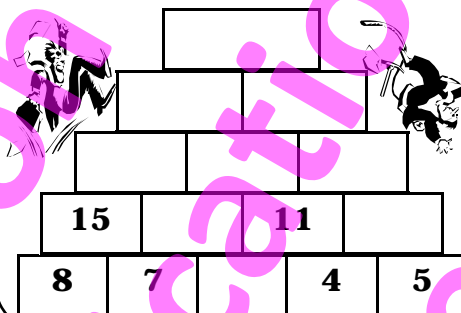 ▢ a north direction arrow.
Write detailed instructions so the pirate can find his treasure again.

❹ Number Walls

Study, then complete the number wall below. It involves addition.
What is the number at the top ?

| 15 | | 11 | |
| 8 | 7 | 4 | 5 |

❺ Media Studies

Find an article of news in a newspaper that is **national** news. That means that it affects the whole country.
 ▢ Copy the headline.
 ▢ Read the article.
 ▢ Rewrite the main points of the article, using your own words.

Example:

Power Prices to Rise.

❻ Language Skills

1.   Find the words in the wordfind

botch, crass, druid, gambol, guru gusto , lariat, portion, pronto, sluice, toddy, trek

2.   Copy out the words and using a dictionary, find the meaning of each word.
3.   Use each word in a sentence.

T	O	D	D	Y	G	P	F
R	C	R	A	S	S	O	P
E	G	U	X	L	E	R	R
K	A	I	G	U	S	T	O
G	M	D	P	I	U	I	N
U	B	O	T	C	H	O	T
R	O	W	M	E	Y	N	O
U	L	A	R	I	A	T	R

❼ World Knowledge

Match these countries, numbered 1 to 8, with their capital cities, labelled A to H.

1. Japan   A. London
2. W. Samoa   B. Lima
3. France   C. Canberra
4. England   D. Addis Abeba
5. Australia   E. Tokyo
6. Peru   F. Paris
7. Poland   G. Warsaw
8. Ethiopia   H. Apia

❽ The Physical World

Why is Rangi's torch no longer working ?
1.   Suggest 5 things that could cause the torch not to work.
2.   Draw a circuit diagram to show how the battery, light bulb and switch are connected together to make a torch work.
3.   Explain how the switch works and why it is important in the circuit.
4.   Before we had batteries and electricity, how did people light their houses at night ?
5.   Who invented the light bulb ?
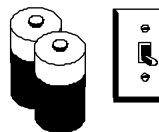
This Homework / Revision Activity Sheet was given out on
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and is to be completed and handed in by
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Do not forget !

Please Sign: Parent/Caregiver

Set 13 · Multi-Task Activity Sheet 5

Name: _____ Class: _____

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $5321 \div 100 =$ ....
2. How many weeks in 1 year ? ....
3. $12 + 5 - 9 =$ ....
4. $63290 \div 5 =$ ....
5. How many hours in 210 minutes ? ....
6. $\$2.85 \times 7 =$ ....
7. Name this shape ....
8. Convert 4.75 g to milligrams ....
9. $20 - 5 \times 4 =$ ....
10. Find 50% of $37.00 ....

❷ Written Language

Where ?

Write a letter to a 'penpal' in another country telling them about:
- □ yourself and where you live,
- □ your interests or hobbies,
- □ school life in New Zealand,
- □ interesting features of your town or city.

Remember to set your letter out correctly.

❋ I will write (tick box) a □ paragraph or □ ½ page or □ 1+ pages.

❸ Integers

Integers are the positive and negative whole numbers and zero.

Calculate each temperature change after each rise or fall, (the first one is done for you).

old temperature	change	new temperature
1. 10ºc	rise 3ºc	13ºc
2. 7ºc	drops 5ºc	....
3. 2ºc	drops 7ºc	....
4. -3ºc	rise 8ºc	....
5. -6ºc	drops 3ºc	....

Calculate

6. $8 + {}^-5 =$ ....   7. $^-2 + 6 =$ ....
8. $^-5 + 7 =$ ....   9. $3 + {}^-8 =$ ....
10. $^-6 + 6 =$ ....   11. $^-4 + 0 =$ ....
12. $7 + {}^-9 =$ ....   13. $1 + {}^-8 =$ ....
14. $^-2 + {}^-8 =$ ....   15. $^-3 + {}^-5 =$ ....

Investigation

If you have a bank account and it goes into 'overdraft', what does this mean ?

❹ The Material World

1. Name this instrument, used for measuring temperature.
2. This instrument contains mercury. What is mercury ?
3. What makes mercury special, so that it can be used in this instrument ?
4. Explain what makes the mercury go up or down the fine tube of this instrument.
5. How does the instrument used to measure air temperature differ from the instrument used to take our temperature ?
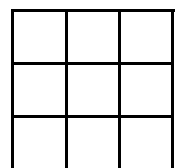
❺ Language Skills

Find the 10 spelling mistakes by proof-reading this passage. Copy out the mistakes, then write the correction next to it.

I'm still celebrating and being congraduated buy the others. I have just skored a gaol for Manchester United and my name is up on the bored. I haven't looked at the clock but I no we've won. The full-time whissle blows. I'm the last one of the pitch and the fans are still singing loudly. That ball hitting the back of the net will stay in my mind forever.

❻ Magic Square

Using the numbers, 3, 6, 9, 12, 15, 18, 21, 24 & 27, arrange them in the magic square so that all rows and columns, and diagonals add up to 45.

❼ Media Studies

Find an article of news in a newspaper that is **local** news. That means that it affects the area of NZ you live in.
- □ Copy the heading. □ Read the article.
- □ Rewrite the main points of the article, using your own words.

❽ Getting to know our World

1. What country has this flag ?
2. Trace or copy this flag and colour it in with the correct colours.
3. Name the capital city of this country.
4. What is the approximate population ?
5. What language do they speak ?
6. What currency do they use ?
7. Find two ways in which this country is similar to N.Z.
8. Find two ways in which this country is different from N.Z.

Do not forget !

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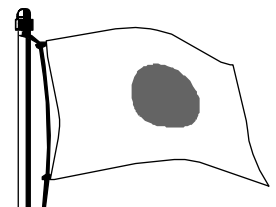
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Set 13 — Multi-Task Activity Sheet

Name: _____   Class: _____

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $1267 \div 1000 =$ ....
2. How many years in a decade ? ....
3. $19 - 7 + 4 =$ ....
4. $0.125 \times 0.2 =$ ....
5. How many weeks in 52½ days ? ....
6. $\$9.26 \times 5 =$ ....
7. Name this shape ....
8. Convert 2250 g to kg ....
9. $20 \div 5 + 14 =$ ....
10. Find 25% of $48.00 ....

❷ Written Language

Write a 30 to 50 word radio advertisement highlighting the special features about this **New Cereal Product** that has been especially created for triathletes.
▫ What is the name of the new cereal ?
▫ You may wish to include in your advertisement:
 ▪ catchy words and true facts about the product
 ▪ 'white lies' about why this cereal is so good
 ▪ a jingle or a song ?
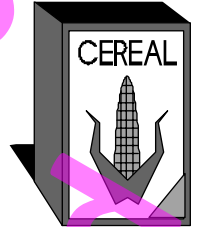
❸ Naming Shapes

Use the list of words below to match the shapes A to J with their names.

Shape name
1. A = ...
2. B = ...
3. C = ...
4. D = ...
5. E = ...
6. F = ...
7. G = ...
8. H = ...
9. I = ...
10. J = ...

triangle, hexagon, square, trapezium, parallelogram, cube, octagon, rectangle, pentagon, circle

❹ The Living World

1. Name this animal.
2. What is this animal's country of origin ?
3. What is this animal's natural habitat ?
4. What does this animal usually eat ?
5. How does this animal protect itself from danger ?
6. What is this animal's life span ?
7. Is this animal endangered ?

❺ Media Studies

Cut out a picture from a magazine or newspaper including the caption that comes with the picture.
▫ Paste it into your book.
▫ Write 2 or 3 different captions for this picture using your own words.

❻ What will it cost ?

Printers $975 each

Computers $1950 each

AWS Computerland offers the prices on computing gear as listed, including GST.

If a school buys 15 computers, 2 printers, 20,000 sheets of paper and 50 disks, what will it cost ?

Computer Disks 10 disks for $15.00

Computer Paper 500 sheets for $4.95

❼ Are YOU ready for an Emergency ?

Read the back two pages of the yellow pages telephone book, before answering these questions
1. List the 6 ways to prepare to survive before a disaster strikes.
2. If disaster strikes, what should you do and why ?
3. If you have to leave your home, what should you take and do before you leave ?
4. If you live in an isolated area and need help, what should you do ?

❽ Language Skills

1. Place these words in alphabetical order:

pelican, peacock, pelmet, pergola, peasant, pedology, pedometer, pentagon, peat.

2. Using a dictionary, find the definition of each word.

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Set 13 — Multi-Task Activity Sheet 7

Name: Class:

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $2448 \div 0.2 =$ ....
2.   How many years in a century ?
     ....
3. $8 + {}^-6 =$ ....
4. $0.265 \times 0.3 =$ ....
5.   How many seconds in 1 hour ?
     ....
6.   65 cents + $0.75 = $ $..................
7.   How many sides does a square
     have ?   ....
8.   Convert 2.5 km to metres
     ....
9. $21 \div 7 - 2 =$ ....
10. Find ¾ of $25.00   ....

❸ Reading Scales

The diagram below shows part of a centimetre ruler (not drawn to scale)

4   5   6   7   8

A   cm   B
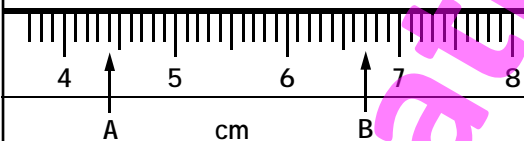
1.   What measurement does **A** point to ?   ....
2.   What measurement does **B** point to ?   ....
3.   Calculate the difference between point A and point B   ....
4.   Convert your answer in Q 3 to millimetres   ....
5.   Mark with a pointer (label it C) a reading of 5.6 cm on the ruler.

❷ Written Language

A new law has been passed . *'All people riding bicycles must wear a protective helmet'.*

□ Imagine you are writing a letter to the editor of your local newspaper (100 to 150 words).
□ Are you for or against this new law ? Explain your reasons in this letter.
   ❋ Remember to set your letter out correctly.

❹ The Material World
□ Every day human beings create tonnes of rubbish.

□ Some rubbish is **Organic**	□ Some rubbish is **Inorganic**	□ Most rubbish could also be recycled.
This means it will rot or decompose.	This means it will not rot or decompose.	

1.   Make a list, headed **organic** and **inorganic** and place these pieces of rubbish into the correct columns:

   broken glass, banana skin, meat, spanner, grass clippings, plastic bottles, plastic supermarket bags, dead animal, fish hook, dollar coin, newspaper, plastic icecream container.

2.   What does recycle mean ? Explain briefly how each piece of rubbish above could be recycled.

❺ Media Studies

Find a sporting event article in a newspaper.
Read, then answer ...
1.   What is the sport ?
2.   When was the sport played ?
3.   Who was playing ?
4.   Where was the sport played ?
5.   Who won ?

❻ Puzzle

How many triangles are there ?
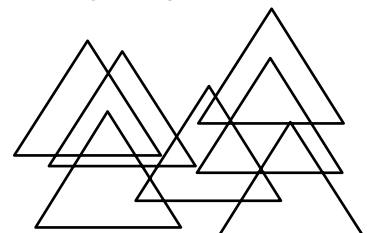
❼ World Knowledge
Match these countries (1 to 10) with the currencies (A to J) they use.

1.   India   2.   U.S.A.
3.   England   4.   Greece
5.   Japan   6.   France
7.   Bangkok   8.   Italy
9.   South Africa   10. Argentina

A.   dollar
B.   lira
C.   yen
D.   franc
E.   pound
F.   rand
G.   baht
H.   peso
I.   drachma
J.   rupee

❽ Language Skills

Alliteration occurs when words which start with the same sound are strung together.
Example: Bobby Bear buys beautiful banjoes.

□ Write alliterative sentences using these ten letters of the alphabet:

   D   L   G   S   N
   M   W   P   K   E

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Set 13 — Multi-Task Activity Sheet ❽

Name: _____   Class: _____

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $14.28 \div 0.2 =$ ....
2. List the first 5 multiples of 4
   ....
3. $2 + {}^{-}3 =$ ....
4. $0.05 \times 0.9 =$ ....
5. How many hours in 180 minutes ?
   ....
6. 65 cents + $2.60 = $ ....
7. How many sides does a rhombus have ? ....
8. Convert 2250 mg to grams
   ....
9. $24 \div 6 - 3 =$ ....
10. Find ¼ of $35.00 ....

❸ Metric Abbreviations

Match these metric unit abbreviations with one of the words in the list below.

1. cm ....
2. ml ....
3. kl ....
4. m ....
5. kg ....
6. mm ....
7. g ....
8. l ....
9. km ....
10. mg ....

gram, kilogram, milligram, metre, centimetre, kilometre, millimetre, litre, kilolitre, millilitre,

❷ Written Language

This is a very old King and behind him you can see his castle on the mountain.

▫ Describe this King and his castle, using your best descriptive language.

❋ I will write (tick box) a ☐ paragraph or ☐ ½ page or ☐ 1⁺ pages.
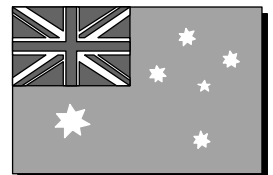
❹ Planet Earth & Beyond

How does rain form ? Read the sentences (A to H) below.
1. Rewrite them in the correct order to explain how rain is formed.
   A The clouds turn into large drops of water.
   B Surface sea-water evaporates.
   C The air becomes damp with water-vapour.
   D The wind blows over the sea.
   E The rain water runs into rivers, then to the sea.
   F Clouds of misty droplets are formed.
   G The damp air cools as it rises, condensing into water vapour.
   H The clouds become still cooler when blown over high land.
2. Draw a diagram of the never-ending water cycle ?
   Label your diagram to show where evaporation, condensation, precipitation and run-off occurs.

❺ Getting to know our World

1. What country has this flag ?
2. Trace or copy this flag and colour it in with the correct colours.
3. Name the capital city of this country.
4. What is the approximate population ?
5. What language do they speak ?
6. What currency do they use ?
7. Find two ways in which this country is similar to N.Z.
8. Find two ways in which this country is different from N.Z.

❻ Challenge

Complete the long multiplication problems without using a calculator. Time how long it takes & record this in the boxes below.

1.   5623
    × 496

2.   2167
    × 2.58

_____

time taken [_____]

❼ Media Studies

Find a report of a crime in your newspaper.

▫ Write one or two paragraphs about the crime.

▫ What do you think the punishment should be ?

❽ Language Skills

1. Place these words in alphabetical order.
2. Using a dictionary, find the definition of each word.

century, centigrade, centennial, centipede, decade, decagon, decalogue, decathlon, millipede, millennium.

3. How are some words similar to the metric words used in ❸ ?

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Set 13 — Multi-Task Activity Sheet 9

Name: _____   Class: _____

❶ 10 Quick Questions
※ (Try not to use a calculator)

1. $2360 \div 0.05 =$ ....
2.   How many days in a leap year ?
     ....
3. $129 + 85 - 73 =$ ....
4. $6.23 \times 0.5 =$ ....
5.   How many seconds in 7¼ minutes ?
     ....
6. $1.25 - 85$ cents = $.....................
7.   How many sides does a rectangle have ?   ....
8.   Convert 0.75 kg to grams
     ....
9. $5 \times 6 - 13 =$ ....
10. Find ½ of $27.00   ....

❸ Perimeter

1.   What do the small lines drawn on sides of shape A below mean ?
     ....

How far is it around the outside ?
Find the perimeter (P) of each shape.

8 m   11 m
10 m

2.   P = ...

3.   P = ...
12 cm   2 cm

A
10 cm

4.   P = ...

5.   P = ...
5 mm
4 mm
7 mm
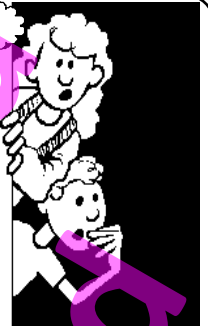
❷ Written Language

.... "Oh no ! .... Look at that !" said ....
What have these children seen ?
▢ Give these children the most unusual names you can think of and explain what they have seen.
▢ Also include a conversation between the children about how they are feeling as they look on.
▢ Remember to start a new line each time a new person speaks.
※ I will write (tick box) a ▢ paragraph or ▢ ½ page or ▢ 1⁺ pages.

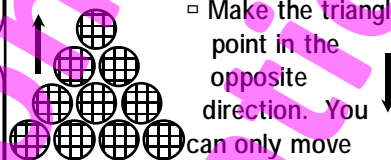## ❹ Challenge
▢ Using 5 cent coins or round objects arrange them to make the pattern below.
▢ Make the triangle point in the opposite direction. You can only move three of the coins or objects.
▢ Draw a diagram to show how this can be done.

❺ Te Reo Maori
Nga kara - colours
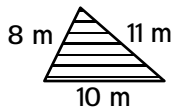▢ Match the English on the left with the correct Maori on the right:

1.   blue   A.   kakariki
2.   red   B.   pango
3.   yellow   C.   whero
4.   black   D.   kowhai
5.   white   E.   karaka
6.   orange   F.   kikorangi
7.   green   G.   parauri
8.   brown   H.   ma

❻ Getting to know our Country

1.   In which city would you find a harbour bridge ?
2.   Who is the Minister of Education ?
3.   Name the island that is separated from the South Island by Foveaux Strait ?
4.   Why was Ernest Rutherford famous ?
5.   In which South Island province is Greymouth ?
6.   Which sport did Jonah Lomu play ?
7.   Where could you go in N.Z. to see whales ?
8.   Where is the 'Beehive' ?
9.   Name an endangered species in N.Z.
10. Name a city that is south of Auckland and north of Wellington.

❼ Media Studies

Many articles in the newspaper are about famous people.
▢ Write a list of at least 5 famous people from the newspaper.
▢ Why are they famous ?

❽ The Living World

A 'Food Chain' is a sequence showing the feeding relationships between plants and animals. The order in a food chain depends on who eats what. All food chains start with a plant.

1.   Choose from the plants and animals above and create two food chains.
2.   What happens to animals in a food chain, if all the plants are eaten ?
3.   If the rabbits are poisoned, what happens to that food chain ?
4.   Plants are 'producers', what are herbivores, carnivores and omnivores ?
5.   Which of the above animals are herbivores, carnivores or omnivores ?

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Multi-Task Activity Sheet

Set 13

10

Name: Class:

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $4566 \div 0.4 =$ ....
2. List the first 4 multiples of 9
     ....
3. $9 + {}^-4 =$ ....
4. $3.56 \times 2.5 =$ ....
5. How many seconds in 1½ hours ?
     ....
6. 75 cents + $5 = $ $.........................
7. How many sides does a nonagon have ? ....
8. Convert 1750 mm to metres
     ....
9. $27 \div 3 - 7 =$ ....
10. Find ¼ of $15.60 ....

❸ Area

If you can paint it, it has area. Calculate the area (A) of each shape below.

1.   A = ...units²

2.   A = ...
   2 cm
   12 cm

3.   A = ...
   10 cm
   1.5 mm

4.   A = ...
   8 mm

5.   A = ...
   3 cm
   8 cm
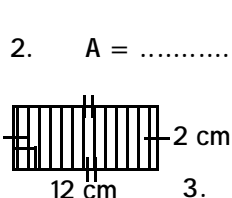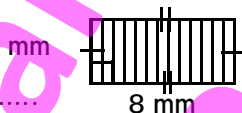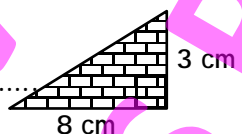
❼ Media Studies

Watch the news on television.

Each night there is a lead item, that is the first item, often given as a headline before the news starts.

1. What was the headline ?
2. Who was involved ?
3. Where and when did it happen ?
4. What is your opinion about this news ?

❷ Written Language

Why is this dog chasing this boy ?
□ Write the beginning of this story.
□ Explain what has happened that led to this.
□ Write the end of the story, telling your readers how it turned out.
Use some dramatic words.
❋ I will write (tick box) a □ paragraph or □ ½ page or □ 1⁺ pages.

❹ Planet Earth & Beyond
Rocks

Rocks are classified according to the way that they were formed. The three basic types of rocks are called 'igneous', 'sedimentary' and 'metamorphic'.

1. Find out how each type of rock was formed. Find examples of each type.
2. Look at rocks near your school or at home and try to determine what type they are.
3. What is the name of the precious rock that the early Maori hunted for ?
4. What type of rock is it and where was it mainly found ?
5. Name other precious rocks.

❺ Language Skills
Apostrophes

These words are contractions.
□ Write these words out in full, as in the example:
Example: didn't = did not
1. can't   2. hasn't
3. I'm   4. we've
5. he'll   6. o'clock
□ These words are written in full. Write these words out as contractions:
Example: I shall = I'll
7. there is   8. you are
9. who has
10. could not

❻ Challenge

Miri went to a record shop with $100.00. She came home with 7 C.D.'s and $2.00 change. Some C.D.'s cost her $18.00, while others only cost her $11.00.
□ How many C.D.'s of each price did she buy?
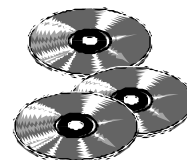
❽ Getting to know our Country

Read about 'Children in the 1890s', then answer the questions:

Children in the 1890's were expected to work very hard. They helped their families run the farm, doing the milking before and after school. If children were sick they had to go without medicine or travel miles through the bush to see a doctor. Most children went to primary school. School work was done on slates with a special pencil, which squeaked and scratched. A mistake was easy to rub out. Lessons were learned by rote, by repeating each point after the teacher in sing-song fashion. In the towns, classes were very large, sometimes ninety to 100 in one class. Discipline was very strict, and the cane and the strap were used often. No-one moved up a class unless they passed an annual examination set by a school inspector.
□ Compare school life today with what it used to be like in the 1890s.
□ Would you have liked to live in the 1890s ? Give reasons.

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Set 13

Multi-Task Activity Sheet

Name: _____   Class: _____

❶ 10 Quick Questions

❋ (Try not to use a calculator)
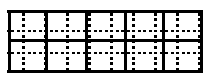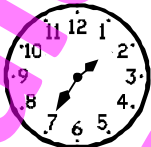
1. $3.065 - 1.29 =$ ....
2. How many seconds in 1.5 minutes ?
   ....
3. $0.12 \times 0.08 =$ ....
4. $11144 \div 7 =$ ....
5. List the first 5 multiples of 6
   ....
6. $\$5.94 \times 8 =$ ....
7. Name this shape ....
8. Convert 3.750 km to m ....
9. $16 - 4 \times 3 =$ ....
10. Find 50% of $63.70 ....

❸ Time

Write these times in Table A in 24-hour clock time, and write the times in Table B in a.m or p.m. times.

Table A	24 hour	Table B	a.m. / p.m.
10:30 a.m.	1.	03:15	6.
2:15 p.m.	2.	15:15	7.
10:30 p.m.	3.	23:45	8.
6:28 a.m.	4.	0538	9.
5:37 p.m.	5.	0035	10.

What is the time on these clocks above ?

11. ....   12. ....
13. How many minutes between 10:15 a.m. and 2:55 p.m. ? ....

❼ Challenge

What number am I ?

I am an odd number greater than 16, but less than 27 and I am a multiple of 3.

What number am I ? [   ]

❷ Written Language

This man is looking quite worried ! Write a story about how he came to be in this situation and how it ends up.
▫ Choose a title for your piece that 'hooks' your readers' attention.

❋ I will write (tick box) a ☐ paragraph or ☐ ½ page or ☐ 1+ pages

❹ The Living World

'Erosion' is the wearing away and movement of rocks and soil by natural forces. 'Weathering' is a major cause of erosion. This involves exposure to air, wind, water and temperature changes. Consider these following situations;

1. When a hillside is covered in trees, soil and rocks are not washed away when it rains. Why is this ?
2. What would happen to the hillside if a forest fire destroyed all plants, and then it rained heavily ?
3. Imagine a rock which has a crack in it. Explain what could happen, and why, to the rock, if it is subjected to repeated heavy frosts.

❺ Media studies

Find an item of **national news** in the newspaper, or from the TV. National news affects the whole country.

Example: Petrol prices to drop.
▫ What is the headline ?
▫ What is the item of news about ?

❻ Language Skills

Homonyms are words that sound the same but are spelt differently and have different meanings.
▫ Write sentences to show you know the meaning of these pairs of words.

sore / saw   wear / where
past / passed   know / no
buy / by   principal / principle

❽ Getting to know our World

Use this map and the information in the box below or an atlas, to answer these questions about the United Kingdom of Great Britain and Northern Ireland.

England, Belfast, Edinburgh, Cardiff, Scotland, leek, Northern Ireland London, shamrock, Wales, thistle, rose

1. On this map name the four countries labelled A to D.
2. Name the capital city of each country.
3. Name the national emblem of each country.
Example: For NZ it is the silver fern.
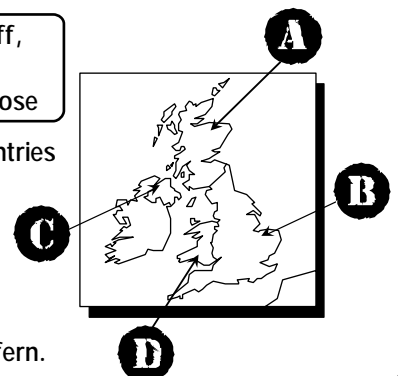
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Multi-Task Activity Sheet

Set 13

12

Name: _____   Class: _____

❶ 10 Quick Questions
※ (Try not to use a calculator)

1. $3.562 + 0.45 =$ ....
2. How many weeks in 59½ days ?
   ....
3. $12.9 \times 0.09 =$ ....
4. $563.40 \div 0.5 =$ ....
5. Write 15:45 in a.m. or p.m. time
   ....
6. $\$3.95 \times 7 =$ ....
7. Name this shape
   ....
8. Convert 0.75 kg to g ....
9. $32 \div 8 \times 6 =$ ....
10. Find ¼ of $27.00 ....

❸ Circles
Draw each part of the circle, on the circle diagram. Label with each letter.

1. a radius (A)
2. a diameter (B)
3. a chord (C)
4. What is the circumference of a circle ?
   ....
5. Use a compass to draw a circle with a radius of 1.5 cm in the space below, then divide it into quarters.

❽ Media studies
Find an item of local news in the newspaper, or from the TV. Local news affects the area you live in.

Example: New shopping mall to open soon.
□ What is the headline ?
□ What is the item of news about ?

❷ Written Language
□ Write a humorous piece about this picture.
□ Here are some words you may find useful:

   dreadful   **gorgeous**   **daring**
   whine   **bellow**   **shriek**

※ I will write (tick box) a □ paragraph
or □ ½ page or □ 1+ pages

❹ The Living World
The **Monarch butterfly** goes through a change called metamorphosis during its life cycle.

1. Draw a life cycle diagram for the Monarch butterfly, using the words adult, larvae, egg and pupa.
2. Explain why each stage of the life cycle is important.
3. Which stage is also called a caterpillar stage ?
4. What is the plant called that this caterpillar feeds on ?
5. Birds do not like eating Monarch butterfly caterpillars, why do you think this is ?

❺ Challenge
To make a paper bridge using a piece of paper (eg. A4 size paper), with two cups as supports for each end. The challenge is to make it strong enough to bear the weight of a third cup.
□ Draw a diagram and write instructions explaining how this could be done.

❻ Language Skills
Common Abbreviations
□ What do these abbreviations stand for ?
□ Write them out in full.

1.	Ave	8.	UN	15.	ref
2.	cm	9.	lbw	16	S.O.S.
3.	Dr	10.	ad.	17.	rpm
4.	cont.	11.	FM	18.	no.
5.	e.g.	12.	km	19.	approx
6.	Mr	13.	VCR	20.	Dept
7.	vol.	14.	Is.	21.	kg

❼ Getting to know our World
Study this map and use the information in the boxes below to help answer some of these questions.

1. What is the name of this country ?
2. Name the seven states, labelled A to G.
3. Match each state with its major city.
4. Name the national emblem of this country.

Example: For NZ it is the kiwi or silver fern.

States:
Tasmania, Western Australia, Victoria, Northern Territory, Queensland, New South Wales, South Australia

Cities:
Brisbane, Perth, Darwin, Hobart, Sydney, Melbourne, Adelaide

Do not forget !

This Homework / Revision Activity Sheet was given out on
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Set 13 — Multi-Task Activity Sheet — 13

Name: Class:

❶ 10 Quick Questions
✻ (Try not to use a calculator)

1. 1.0532 – 0.891 = ...
2. List the first 5 multiples of 7
   ....
3. 4.59 × 2.35 = ...
4. 182732 ÷ 0.2 = ...
5. List the factors of 18
   ....
6. $24.80 ÷ 4 = ...
7. What is the name of a shape with 10 sides ? ....
8. Convert 1.3 cm to mm ....
9. 5 × 8 ÷ 10 = ...
10. Find ¾ of $48.00 ....

❸ Naming lines
On the picture below draw a circle around the following types of lines:

1. A pair of **parallel** lines, label A.
2. A pair of **perpendicular** lines, label B
3. A **horizontal** line, label C.
4. A **vertical** line, label D.
5. Using each of the four words about types of lines, write a sentence about objects in your classroom.

Example: The opposite sides of my desk are parallel.

❼ Language skills
Copy each sentence and fill in the gaps.

▢ Use the words '**aloud**' or '**allowed**' only.

1. Carrie read her story .... to the group.
2. Some children were .... to go home early.
3. In this class you are .... to think ....

▢ Use the words '**past**' or '**passed**' only.

4. The time is half .... four.
5. He .... the ball swiftly to his friend.
6. I would like to have lived in the ....
7. The class .... a hard maths test.

▢ Use the words '**lose**' or '**loose**' only.

8. If I am careful I will not .... my way.
9. My shoelace was .... and I tripped on it.
10. Heads you win, tails I ....

❷ Written Language
What are these people and dogs looking at ?

▢ Explain how they came to be in this situation and include some conversational language between the people.

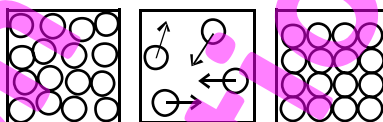▢ Remember to start a new line each time a new person speaks.

✻ I will write (tick box) a ▢ paragraph or ▢ ½ page or ▢ 1⁺ pages

❹ The Material World
States of Matter
Solid, liquid, and gas are the three states of matter.

1. Match the diagrams below with the three states of matter.

....

Heat energy can cause one state of matter to change into another state.

2. Describe what happens when 'matter' reaches 'melting point'.
3. Describe what happens when 'matter' reaches 'boiling point'.
4. Name a metal that is liquid at room temperature.

❺ Investigation
Before we had modern clocks, the sun was used to tell the time.

▢ Design a sundial using a square piece of wood and a long nail.

▢ Explain how you set-up your sundial, so that it could be used to tell the time.

❻ Media studies
Read a crime report in the newspaper.

▢ Write one or two paragraphs about the crime.

▢ What do you think the punishment should be ?

❽ Interpreting data
Below is a column graph showing how Sam spent his day. Study it carefully and answer these questions:

Time (hrs)

Activity

- = Sleeping
- = Eating
- = Playing
- = At School
- = Homework
- = Watching TV
- = Other

1. What took the most time in Sam's day ?
2. How much time did Sam spend on homework ?
3. What fraction of Sam's day was spent at school ?
4. Draw a column graph of your day, to show how your day might be different from Sam's.
5. Write two sentences about what sort of boy you think Sam is, based on how he spent his day.

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Class:

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $12 - 8 + 5 =$ ....
2. Write 23:45 as a.m. or p.m. time ....
3. $23.5 \times 0.5 =$ ....
4. $125 \div 4 =$ ....
5. Round 23.83 to the nearest whole number ....
6. $30 - 17.35 =$ ....
7. What is the name of a shape with 9 sides ? ....
8. Convert 295 mm to cm ....
9. $4 \times 9 \div 12 =$ ....
10. Find ½ of $33.00 ....

❸ Reflections

Reflect the shapes in the left hand side, into the right hand side of this table, using the arrow as the mirror line.

Reflect each letter above or below the arrow to complete this message:
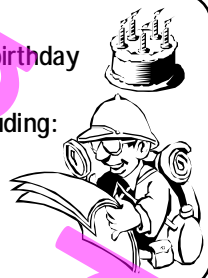
M   H   s   U

Ɐ   Ɐ   s   Ǝ   N

❷ Written Language

Imagine you are inviting some of your friends to your birthday party, but they do not know the way to your house.
Draw a framed map of the route they should take, including:
   ▫ five or more main features (e.g. shop).
   ▫ a key for these features.
   ▫ a north direction arrow.
Write detailed instructions so they do not get lost.
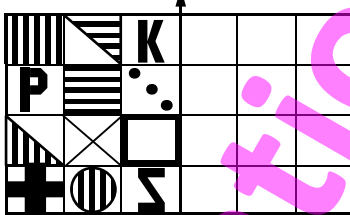
❹ The Physical World

Study these commonly occurring physical events and explain how you think they happen. Try to be as scientific as you can with your explanation.

1. Wet clothes dry fastest when it is sunny, and when the wind is blowing.
2. Water condensation occurs on the inside of windows in the winter time.
3. You always see lightning before you hear thunder.
4. The bicycle wheel spins more freely if it is oiled regularly.
5. In an empty room speaking creates an echo, but in a room full of people, echoes are hard to hear.

❺ Getting to know our World

1. What country has this flag ?
2. Why was this country so unpopular with many countries in mid-1995 ?
3. Name the capital city of this country.
4. What is the approximate population ?
5. What language do they speak ?
6. What currency do they use ?
7. Find two ways in which this country is similar to N.Z.
8. Find two ways in which this country is different from N.Z.

blue   white   red

❻ Te Reo Maori

▫ Match the list of body parts written in Maori (1 to 10) with their English names (A to J).

1. hope
2. pakihiwi
3. ringa
4. waewae
5. puku
6. matenga
7. mata
8. turi
9. matimati
10. tuara

A. head
B. shoulder
C. hips
D. arm
E. knee
F. face
G. back
H. stomach
I. legs
J. fingers

❼ Media study

Find an advertisement in the newspaper for a house.
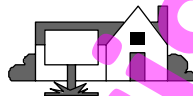
▫ Glue the ad into your homework book.
Imagine you are selling a house
▫ Write an advertisement highlighting all the good points of this house.

❽ Challenge

				=	
1.	10	2	3	=	4
2.	17	8	3	=	12
3.	20	5	6	=	10
4.	3	4	4	=	16
5.	2	6	3	=	20

Place the signs $+$, $-$, $\div$, or $\times$ in the gaps to make each mathematical sentence true.

6. Use any of the signs $+$, $-$, $\div$, $\times$, or brackets between the digits 1, 2, 3, and 4 to make totals of 0, 1, 2, 3, 4, 5, 6, 7, 8, 9 & 10. Digits can be in any order and signs used more than once.
   Example: $0 = 4 \div 2 + 1 - 3$

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Set 13

Multi-Task Activity Sheet 15

Name: Class:

❶ 10 Quick Questions
❋ (Try not to use a calculator)

1. $15 + 7 - 11 =$ ....
2. Write 3:25 p.m. in 24 hour time
   ....
3. $11^2 =$ ....
4. $564 \div 0.4 =$ ....
5. List the factors of 12
   ....
6. $\$35 - \$23.75 =$ ....
7. What is the name of a shape with 5 sides ? ....
8. Convert 5.25 m to cm ....
9. $8 \times 7 + 12 =$ ....
10. Find 25% of 24 kg ....

❸ Enlargement
Enlarge the shape so that it is twice as big, drawing it in the shape below.
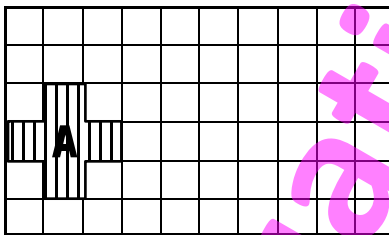
1. What is the area of the cross (A) above ?
   ....
2. What is the area of the new cross that you have drawn ? ....

❼ World knowledge
Match these cities with their countries.

1. Montreal   A. Hungary
2. Katmandu   B. Australia
3. Bagdad   C. India
4. Buenos Aires D. Canada
5. Budapest   E. Argentina
6. Sydney   F. Nepal
7. New York   G. Iraq
8. New Delhi   H. U.S.A
9. Beijing   I. Egypt
10. Cairo   J. China

❷ Written Language
Write a letter to a friend in another city telling them about:
- what you would like for your birthday
- where you plan to go on holiday,
- what pets you have or would like,
- what you have been up to lately at school.

Remember to set your letter out correctly.
❋ I will write (tick box) a ☐ paragraph or ☐ ½ page or ☐ 1⁺ pages.

❹ The Living World
The **dandelion plant** is a common 'weed' of many lawns. A plant is a 'weed' if it grows where it is not wanted. Most weeds have special features, called adaptations, that allow them to survive well.

1. Find a dandelion plant and try to pull or dig it out. What do you find ?
2. Draw a diagram of the plant. Label your diagram using the words flower, stalk, leaf and tap root.
3. Some parts of this plant can be used. Find out what parts are used and for what are they used.

Comment on how you think the following features of the dandelion plant help it to survive;
4. ☐ a long tap root.   ☐ large flat leaves, close to the ground.
   ☐ long flower stalk, that turns to a white puffball with silvery parachute seeds.

❺ Media study
Read the letters to the Editor in today's paper.
- What are most of them about ?
- Glue one letter in your book.
- Write a short answer to this letter, giving your opinion.

❻ Language skills
Plural means "more than one".
- Copy the words below and write their plurals beside them, being very careful of your spelling:

fairy	calf	deer
potato	donkey	memory
dish	piano	man
box	roof	child

❽ Puzzle
Place the numbers in the squares using each number only once.
(one has been done for you).

| | 6 | 2 | 5 | |
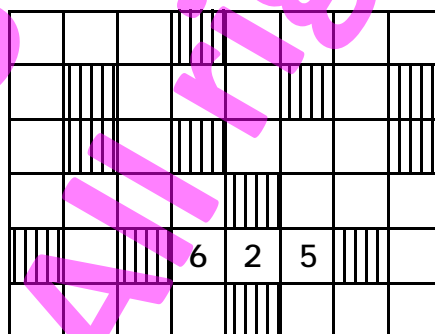
142	470	4021
169	524	4961
257	625	5453
329	861	6542
426	1428	6673
431	1862	

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Set 13

Multi-Task Activity Sheet 16

Name: _____ Class: _____

❶ 10 Quick Questions
✳ (Try not to use a calculator)

1. $14 - 9 + 10 =$ ....
2. List the first 5 multiples of 8
   ....
3. $2.56 \times 2.9 =$ ....
4. $\sqrt{81} =$ ....
5. How many minutes between 5:25 am and 8:14 am ....
6. $12 + 125$ cents = $........................
7. What is the name of a shape with 7 sides ? ....
8. Convert 1250 cm to m ....
9. $14 + \,^-9 =$ ....
10. Find 50% of $43 ....
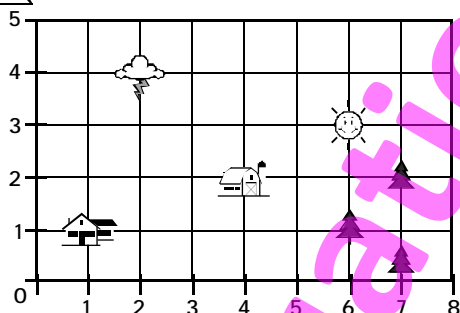
❸ Co-ordinates

Co-ordinates are pairs of numbers used to help find things on a map. Also called grid references. *Example*, the sun is at (6,3). Write down the co-ordinates for …
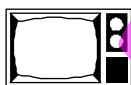
1. the house   (,)
2. the barn or shed   (,)
3. the trees   (,), (,), (,)
4. the lightning cloud   (,)
5. On the grid draw some 🌧 at the points (1,3), (4,3), and (6,4).

❽ Media studies
What T.V. programmes do you like ?
▫ Find the T.V. guide in your newspaper.
▫ Cut out the programmes you like to watch.
▫ Re-arrange them in your new order.
▫ Paste these into your book.

▫ How many hours would you spend watching T.V. a week ?

❷ Written Language

Design a small T-shirt logo and a one page advertising flyer for a new sporting event or musical group that is coming to your town soon. Include in your advertisement flyer:
▫ the name of this event or group,
▫ where and when the event is to be held.

❹ Science/Technology

Many wonderful new inventions have changed the lives of ALL members of our community.

1. Make a list of inventions that can be used when doing housework or cooking, that you have or know of.
2. Compare this with what was available 40 to 50 years ago, by talking with someone who was a child then.
3. Comment on how these devices have helped make housework easier (or have they ?).

❻ World History
Time lines

A time line is a visual way of displaying factual information. Sort these dates and happenings below into chronological order, and display them on a time line. Make your time line attractive and neat.

1989   Dismantling of the Berlin Wall
1919   League of Nations founded
1928   Fleming discovers penicillin
1956   Video tape recorder invented
1967   First successful heart transplant
1969   Man lands on the moon
1982   Falklands war
1914   Traffic lights invented
1938   Ball point pen invented
1953   Mount Everest conquered

❺ Puzzle
Where is that ☯ ?
Use the diagram of these 4 shapes below to answer these problems.
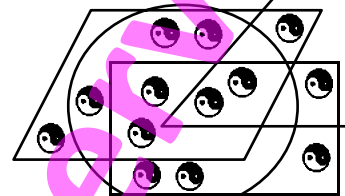
1. How many ☯ are in the ▭ ONLY ? ....
2. How many ☯ are in the ▱ but NOT in the ◁ ? ....
3. How many ☯ are common to ALL shapes ? ....

❼ Language Skills
Prefixes

The word 'impatient' is the opposite of patient. The prefix 'im' has been added and this means 'not'.
▫ Add a prefix from the list on left, to each word on the right to create their opposites.
Example: pleased ⇨ displeased

un in dis mis ir il im	certain perfect regular expensive legal selfish movable decided accurate

---

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Name: Class:

❶ 10 Quick Questions
※ (Try not to use a calculator)

1.   25 ÷ 5 + 10 = ...
2.   List the prime numbers less than 20
     ....
3. 9^2 = ...
4.   12 + ⁻11 = ...
5.   How many in a baker's dozen ?
     ....
6. $15.54 ÷ 3 = ...
7.   Draw a
     parallelogram
8.   Convert 565 cents to $ ....
9.   5 × 4 – 12 = ...
10. Find ½ of $12.30   ....

❸ Patterns
Find the missing numbers by studying the number patterns. Below each pattern write how the pattern was created.

1.   1, 3, 5, ..., ..., 11, ...
     ....
2.   2, 4, ..., 16, ..., ..., 128
     ....
3.   200, ..., 50, ..., 12½, ...
     ....
4.   ......, 7, 10, ..., 16, ...
     ....
5.   ⁻6, ..., 2, 6, ..., 14, ...
     ....
6.   Draw the next 2 diagrams in this
     pattern of tiles.   ❸   ❹

     ❶   ❷
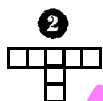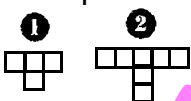
7.   How many tiles will be needed for the
     6th and 10th tile pattern ?
     ....

❽ Media Study
▫ Find a piece of good news in your
  newspaper or from television.

▫ What is it about ?
▫ Write about how it affects the people in the
  story and give your opinion of it.

❷ Written Language
Imagine you are a sports commentator, describing the events in the last round of a softball match. The game is tied at 3 all, but the batting team could win if they hit a home-run. Study the pictures.

▫ Does this happen or is
   the batter out ?
▫ Describe what happens.

❹ The Material World
Many household cleaning products have health warnings written on their packaging or labels.

1.   Make a list of cleaning products in your house,
     example: washing powders
2.   Which cleaning products have health warnings written on their
     packaging labels? Copy out one of these health warnings.
3.   Some products are **biodegradable.** What does this mean ?
4.   If a product is said to be **flammable**, what does this mean ?
5.   What should you avoid doing and why, when using any
     flammable product ?
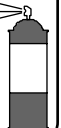
❺ Language skills
Use a dictionary to find out what these people do.

1.   Osteopath
2   Dermatologist
3.   Orthodontist
4.   Croupier
5.   Vintner
6.   Podiatrist
7.   Matador
8.   Choreographer
9.   Taxidermist
10. Calligrapher

❻ Challenge
▫ A batch of biscuits is to be cooked for exactly 8 minutes. Mary timed the cooking using two egg-timers, one that ran for 3 minutes and the other for 7 minutes. How did she do this ?
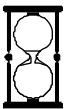
▫ Can she use the same egg-timers to time cooking that would take 10, 11 or 12 minutes ? Describe how each time could be obtained, if possible.

❼ Critical thinking skills: fact or opinion
A **fact** is something true which can be proven.
An **opinion** is one person's thoughts about a fact. People hold different opinions about the same facts. Read the paragraph below.
▫ Make a list of the **facts** and a list of the **opinions**.
▫ Write three opinions of your own about the Plains Indians of North
  America.

By 1889, there were just 541 buffalo left alive. The Plains Indians of North America were the best fighters the sun ever shone upon. There were no horses on the Plains until the white men brought them. The Sioux's real name is Dakota (meaning allies). Buffalo meat made a delicious meal. Indian sign language was difficult to understand. The battle of Wounded Knee took place in 1890.

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Set 13

Multi-Task Activity Sheet 13

Name: _____   Class: _____

❶ 10 Quick Questions
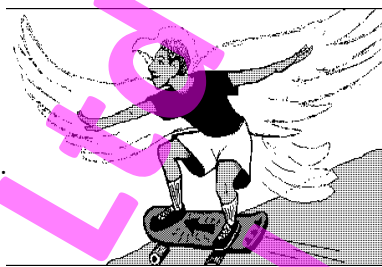※ (Try not to use a calculator)

1. 15 + 9 – 5 = ...
2. List the factors of 15
   ....
3. 5.34 × 9.4 = ...
4. 18.6 ÷ 0.6 = ...
5. Convert 210 minutes to hours
   ....
6. $2.70 × 9 = ...
7. What is the name of a shape with 3 sides ?   ....
8. Convert 1256 mg to g   ....
9. 10 × 9 ÷ 15 = ...
10. Find 20% of $50   ....

❷ Written Language
□ This guy has amazing skate-boarding skills. But what is that behind him ?
□ Write a descriptive story, using well-chosen words to describe this scene.
※ I will write (tick box) a □ paragraph or □ ½ page or □ 1⁺ pages.

❸ Telephone cost
The 'Phone Home' telephone company charges a monthly rental of $24.50. Each toll call costs $0.80 (80 cents) per minute, charged to the nearest second. Use this information to calculate the cost of each phone call, for members of the Smith family.

1. Sally talks for 12 minutes $ ....
2. Fred talks for 8 minutes $ ....
3. Dad talks for 10½ minutes $ ....
4. Mum talks for 9¼ minutes $ ....
5. What is the cost of all the phone calls?
   ....
6. What is this month's phone bill for the Smith family ?   ....
7. Write a word rule as to how you work out the monthly phone bill.
   ....
   ....

❹ The Living World
The frog belongs to a special group of animals called **amphibians**.

1. What are amphibians ?
2. Draw a life cycle diagram for the frog.
3. What other animals belong to this group ?
4. Explain how you think these animals might survive difficult times, such as a drought.

❺ Media study
□ Find an article in the newspaper about a famous New Zealand person.

□ What is he/she famous for ?
□ Design a medal that you would like to present to him or her.

❻ Interpreting data
This table shows the births and deaths in a large N.Z. city for one week.

1. How many births this week ?
2. On which day were there most deaths ?
3. On which day were there fewest births ?
4. Compare births and deaths for Friday and make a true statement about them.
5. Can you see a trend in the information presented ? Do you think the population in this city is increasing or decreasing ?
6. Draw a column graph to represent this information.

	Births	Deaths
MON	10	17
TUES	9	14
WED	11	9
THUR	8	16
FRI	15	13
SAT	8	10
SUN	7	6

❼ Creative colouring
□ Colour in the design below so that it has two lines of symmetry.
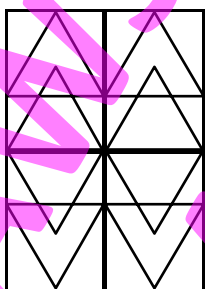
□ Use mathematical shapes to create 3 more patterns that have 2, 3 and 4 lines of symmetry

❽ Language skills
The word 'phobia' means 'fear of'.
Example: 'Arachnephobia' means 'fear of spiders, because 'arachnid' means spider. Use a dictionary to help match the fears on the left (1 to 8) with the correct terms on the right (a to h).

Fear of
1. writing
2. open spaces
3. enclosed spaces
4. water
5. strangers
6. fire
7. children
8. everything

A. pediophobia
B. agoraphobia
C. hydraphobia
D. xenophobia
E. panophobia
F. claustrophobia
G. graphophobia
H. pyrophobia

Do not forget !

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Please Sign: Parent/Caregiver

Set 13 — Multi-Task Activity Sheet 19

Name: _____ Class: _____

❶ 10 Quick Questions
※ (Try not to use a calculator)

1. $2000 \div 50 =$ ....
2. Round 249 to the nearest 100 ....
3. $0.23 \times 0.15 =$ ....
4. $125 \div 4 =$ ....
5. Name a prime number between 20 and 30 ....
6. $\$1.35 \times 8 =$ ....
7. What makes an equilateral triangle special ? ....
8. Convert 446 mm to cm ....
9. $4^3 =$ ....
10. Find ¾ of $36 ....

❸ Graphs / Survey
Below is a bar graph showing how Terry used the money she was given for her birthday.

Key
= clothes = banked
= books = lollies

Each square = $5.00

1. How much money was she given for her birthday ? ....
2. How much did she spend on clothes = $ .... books = $ .... lollies = $ .... ?
3. How much did she bank ? $ ....
4. Are cats the most popular pets ? Conduct a survey amongst your class or friends, asking them what pets they like best. Draw a column graph to show your results.

❼ Puzzle
Using the code where a = 1, b = 2, c = 3, etc ..., work out what the message below is suggesting you do.

12,5,1,18,14,9,14,7 / 18,5,17,21,9,18,5,19 / 25,15,21,18 /
...................../...................../...............
5,6,6,15,18,20
....

❷ Written Language
Write speech or thought bubbles for the following 6 pictures.

❹ The Living World
All of these animals drawn below belong to a particular group.

1. Name this group.
2. Draw a simple life cycle diagram for the turtle.
3. Explain why these animals rely on the weather so much, in order to survive.

❺ Media study
□ Find an advertisement in the newspaper for a car, that has more than just its price.
□ Cut it out and glue it into your homework book.
□ Find out what the abbreviations mean.
Example: 1.5L, 4WD, 5spd.
□ Imagine you are buying a car. Write an advertisement highlighting the features you would like.

❻ Getting to know our country
Below is a list of words all about elections. Match the list (1 to 7) with the correct definition (A to G) on the right.

1. ballot paper
2. candidate
3. polling clerk
4. electoral roll
5. enrolment form
6. manifesto
7. polling booth

A. a party's statement of policy
B. a place to vote
C. a person standing for election
D. list of people who can vote
E. the paper you vote on
F. person who counts the votes
G. fill it in to get your name on the role

❽ Language skills
Copy each sentence and fill in the gaps.
□ Use the words '**through**' or '**threw**' only.
1. A girl............ a ball............a window.
2. A dog ....a fit because it was not well.
3. She lost her pocket money..............her own fault.
□ Use the words '**weather**' or '**whether**' only.
4. The................was sunny and warm.
5. I don't know..............we will go out today.
6. I don't care.............the............is hot or cold.
□ Use the words '**already**' or '**all ready**' only.
7. The team is............to go onto the field.
8. I have...............done my homework.

This Homework / Revision Activity Sheet was given out on
....
and is to be completed and handed in by
....

Do not forget !

Please Sign:
Parent/Caregiver

Name: .... Class: ....

❶ 10 Quick Questions
※ (Try not to use a calculator)
1. $24 \div 8 - 7 =$ ....
2. List the first 5 multiples of 11
   ....
3. $2.549 \times 0.2 =$ ....
4. $\sqrt{121} =$ ....
5. Round to the nearest $ before adding
   $1.85 + $5.27 =$ ....
6. $2.95 \times 12 =$ ....
7. What is the name of a shape with 6 sides ? ....
8. Convert 5.25 cm to mm ....
9. $2000 \times 300 =$ ....
10. Find 25% of 32 g ....

❸ Probability
1. Throw a coin 100 times, recording the number of heads and tails that come up in the tally table below.

	Tally	Total
Heads		
Tails		

2. Draw a graph of your results.
3. If a coin was tossed 500 times how many times would you expect heads to come up ? ....
4. If a coin and a dice were thrown up together, list all the possible outcomes. The dice has 6 sides.
   Example: (Head, 1), (Head, 2) etc ...
   ....
   ....
5. If the coin and dice were tossed 120 times, how many times would you expect (tail, 6) to come up ? ....

❽ Media Study
□ Find a piece of good news in your newspaper or from television.

□ What is it about ?
□ Write about how it affects the people in the story and give your opinion of it.

❷ Written Language
Have you ever had a scary dream ? Or seen strange shadows on your wall at night ?
□ Describe how the person in this bed is feeling using your most scary words.

※ I will write (tick box) a □ paragraph or □ ½ page or □ 1+ pages

❹ The Material World
'Acid rain' is proving to be a real problem, especially in countries in Europe.
1. What is acid rain and how is it formed ?
2. What effect does it have on the environment ?
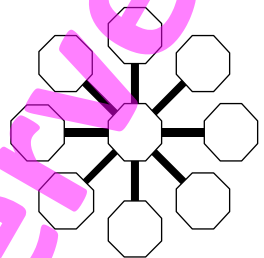3. How could it be prevented from forming ?

❺ Challenge
Place the numbers below
2, 4, 6, 8, 10, 12, 14, 16, 18
in the octagons, so that each row of three adds up to 30.

❻ Language skills
1. Read the passage below.
2. Copy it out putting in the speech marks, commas, question marks, fullstops and capital letters. Two pupils are talking.
   who was that kid you were playing with yesterday asked sam
   that's a new kid at our school he comes from gore replied max
   what's he like
   ok he's got a real good sense of humour max shouted as he ran to catch a ball
3. All these words have a letter missing. Copy the words and fill in the gaps using a dictionary, if you need to:

pig_on   manag_able
sep_rate   ras_berry
surg_on   parli_ment
gover_ment   gorg_ous
pos_pone   panic_ed

❼ Getting to know our World
Use this map and the information in the box below or an atlas, to answer these questions about South America.

Brazil, Lima, Mexico, Chile, Peru, Mexico City, sol nuevo, Argentina, peso, Brasilia, cruzeiro, Santiago, Buenos Aires

1. On this map name the five countries labelled A to E.
2. Name the capital city of each country.
3. Name the currency of each country, 3 countries have the same.
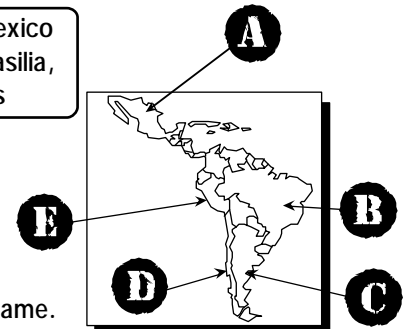
This Homework / Revision Activity Sheet was given out on
....
and is to be completed and handed in by
....

Do not forget !

Please Sign:
Parent/Caregiver

Answers:

NOTE: No answers are provided for Written Language or Media Studies Activities.

No. 1

1
1. 403   2. 3235   3. 1042   4. 518   5. 540   6. 376   7. 435   8. 433   9. 103   10. 444

3
1. 49.9   2. 175.1   3. 56.52   4. 4.33   5. 168.8   6. 47.58   7. 7.03   8. 18.39   9. 0.53   10. 6.88

4
1. Panda bear or Giant Panda
2. China
3. Bamboo forests
4. Bamboo shoots
5. climbs trees, sharp claws
6. —
7. Yes

5

4	5	3	8	░	4
2	░	░	6	1	6
6	0	8	9	░	7
3	░	3	1	8	2
4	5	9	░	░	1
2	░	5	2	6	4

6
1. Canada
2. red / white, with red maple leaf
3. Ottawa
4. 27 130 000 (1992)
5. English 40%, French 27%
6. Canadian dollar
7. English Language, Commonwealth member, standard of living etc
8. Population size, climate, different hemispheres etc

7
1. two   2. two, to   3. too, to   4. of   5. off   6. of, off   7. there   8. their, there   9. they're   10. their, there

---

No. 2

1
1. 40   2. 48   3. 54   4. 36   5. 70   6. 63   7. 99   8. 45   9. 36   10. 42

3
1. 2060   2. 912   3. 8676   4. 14736   5. 13376   6. 50182   7. 2535   8. 6561   9. 22191   10. 3105905

4
1. Rhinoceros
2. Africa or S.E Asia
3. swampy grasslands or jungle
4. grass and plants
5. horns, speed, size etc.
6. —
7. Yes

5

12	5	10
7	9	11
8	13	6

5	18	7
14	10	6
21	2	17

7
1. U S A.
2. Red/white stripes, white stars, blue b/ground
3. Washington D.C.
4. 254 522 000 (1992)
5. English 80%, Spanish 11%
6. American dollar
7. Language, currency, standard of living, etc.
8. Population, government, size etc.

8
1. terrible   2. suspicious   3. favourite   4. generous   5. complicated   6. fierce   7. cruel

---

No. 3

1
1. 15.539   2. 21 days   3. 27.54   4. 3206   5. 300 minutes   6. $14.70   7. parallelogram   8. 2 km
9. 44   10. $4.50

3
1. 25   2. 81   3. 36   4. 400   5. 7   6. 8   7. 11   8. 25   9. 81   10. 32   11. 10, 15, 20, 25
12. 14, 21, 28, 35   13. 1, 2, 3, 4, 6, 12   14. 1, 2, 4, 8, 16, 32   15. 23, 29, 31, 37

4
1. E   2. G   3. I   4. J   5. A   6. F   7. B   8. D   9. H   10. C

5

able 7	bale 7	brace 10	care 7	lace 7	meal 7	sable 8	scram 10	Some children will find more
acre 7	bar 6	brae 7	case 6	lamb 9	race 7	sale 5	scream 11	words than these, of
ace 5	bare 7	cab 7	clam 9	lame 7	ram 6	same 6	sea 3	course, but the 64 here
ale 4	base 6	cable 10	clear 9	mace 8	ramble 12	scar 7	seal 5	add to **483** points. If you
arm 6	beam 8	calm 9	crab 9	male 7	real 6	scab 8	seam 6	allow 2-letter words and
alms 7	bear 7	came 8	cream 10	marble 12	realm 9	scam 8	slab 7	plurals, the score will be
amber 10	blame 10	camel 10	ear 4	mar 6	ream 7	scale 8	slam 7	even higher **!**
amble 10	blare 9	car 6	earl 6	mare 7	sabre 8	scare 8	smear 8	

7
1. 1968   2. 1985   3. 1929   4. 1931   5. 1947   6. 1979
7. 1953   8. 1886
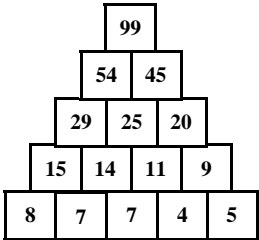
1
1. 776.7   2. 31.5 days   3. 0.492   4. 2526   5. 90 hours   6. $6.20   7. pentagon   8. 5200 m   9. 4
10. $8.40

3
1. 10   2. 80   3. 90   4. 120   5. 460   6. 110   7. 100   8. 300   9. 100   10. 1200   11. 3   12. 9   13. 21
14. 65   15. 20 + 110 - 75 = 55

4

		99		
	54		45	
	29	25	20	
15	14	11	9	
8	7	7	4	5

6

T	O	D	D	Y		P	
R	C	R	A	S	S	O	P
E	G	U	L	L	A	R	R
K	A	I	G	U	S	T	O
G	M	D		I	I	N	
U	B	O	T	C	H	O	T
R	O			E	N		O
U	L	A	R	I	A	T	

botch : to spoil through clumsiness.
crass : stupid or gross.
druid : member of ancient order of priests in the pre-Christian era.
gambol : skip or jump about playfully.
guru : a spiritual or religious leader.
gusto : vigorous enjoyment
lariat : a rope for tying up animals.
portion : a part of a whole; a fraction.
pronto : at once; promptly.
sluice : a channel that carries a fast moving body of water; fast moving water; to wash using water.
toddy : hot, sweet drink with whiskey.
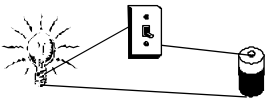**trek** : long and often difficult journey.

7
1. E   2. H   3. F   4. A   5. C   6. B   7. G   8. D   10. $8.40

8
1. No batteries, broken bulb, loose connection, flat battery, faulty switch, etc.

2.

connected together with wires

3. The switch allows the circuit to be interrupted by moving a small piece of copper metal one of two ways. This allows the electricity electrons) to flow if the switch is closed so the bulb will glow.
   The switch allows the torch to be turned on or off easily without having to remove the batteries etc. The batteries would go flat if you could never stop the flow of electricity.
4. With gas and kerosene lamps and with candles.
5. Thomas Edison (1847 - 1931)

1
1. 53.21   2. 52 weeks   3. 8   4. 12658   5. 3.5 hours   6. $19.95   7. hexagon   8. 4750 mg   9. 0
10. $18.50

3
1. 13°C   2. 2°C   3. -5°C   4. 5°C   5. -9°C   6. 3   7. 4   8. 2   9. -5   10. 0   11. -4   12. -2   13. -7
14. -10   15. -8   **Investigation:** Overdraft allows the account to have a negative balance.

4
1. thermometer   2. a metal   3. it is liquid at room temperature
4. Mercury expands or contracts when it becomes hotter or colder as the temperature changes.
5. The tube just above the ball of mercury is made narrower to prevent the mercury flowing back down once it has been warmed expanded) by body temperature. This is why a medical thermometer must be shaken to force the mercury level to go down before taking the temperature again.

5

celerbrating ✗	celebrating ✓
congradulated ✗	congratulated ✓
buy ✗	by ✓
skored ✗	scored ✓
gaol ✗	goal ✓
bored ✗	board ✓
no ✗	know ✓
whissle ✗	whistle ✓
of ✗	off ✓
loudely ✗	loudly ✓

6 This is one possible solution; there will be other solutions.

| 12	9	24
27	15	3
6	21	18

7
1. Japan   2. red on white   3. Tokyo
4. 124 513 000 (1992)   5. Japanese 99%   6. Yen
7. size, has a Pacific coast, mountains, etc   8. population, language, culture, etc.

1

1. 1.267 2. 10 years 3. 8 or 16 4. 0.025 5. 7 ½ weeks 6. $46.30 7. Oval, ellipse 8. 2.25 kg 9. 18
10. $12.00

3

1. circle 2. hexagon 3. parallelogram 4. rectangle 5. trapezium 6. square 7. pentagon 8. octagon 9. cube
10. triangle

4

1. Koala bear 2. Australia 3. Australian outback 4. Eucalyptus leaves 5. climbing, claws, hiding 6. -
7. in the wild, yes

6

$31473.00

7

1. » Learn about the local hazards from the Civil Defence staff.
   » Know your local Civil Defence Warning Signal.
   » Know how to turn off the electricity, gas and water.
   » Prepare a family plan in case you get separated.
   » Know where to get help.
   » Put together a survival kit.

2. Turn on your radio and listen for instructions so you know what to do and where to go.
3. If you have to leave home take baby's gear, warm clothes, documents, medicines, pets and personal gear with you. Fill out an evacuation card and place it in your front window.
4. Display a bedsheet outside, lying on the ground.

8

peacock: male pea fowl with a fan-like tail.
peasant: a member of a low class; country worker.
peat: partly decomposed matter; saturated with water.
pedology: the study of soils
pedometer: a device for measuring how far you have walked.
pelican: an aquatic bird.
pelmet: a drapery or board above a window to hide a curtain rail.
pentagon: five-sided polygon.
pergola: a trellis for climbing plants.

1

1. 12240 2. 100 years 3. 2 4. 0.0795 5. 3600 seconds 6. $1.40 7. 4 8. 2500m 9. 1 10. $18.75

3

1. 4.4cm 2. 6.7cm 3. 2.3cm 4. 23mm

4

1.
Organic	**Inorganic**
banana skin	broken glass
meat	spanner
grass clippings	plastic bottles
dead animal	fish hook
newspaper	dollar coin
	plastic ice cream container

2. **Recycle** means to rescue something being discarded and use it again.
3. Compost the b/skin, meat, dead animal, grass and newspaper.
   Use as a mulch: newspaper and grass clippings.
   Melt down and reform: spanner, fish hook, coin, glass, plastic.
   Use as containers: plastic bottle and ice cream container.
   Pulp: newspaper to make recycled paper or cardboard.

   You may have more suggestions?

6

How many triangles are there? We believe there are **19** in all. Can you find them? Are we correct?

7

1. J 2. A 3. E 4. I 5. C 6. D 7. G 8. B 9. F 10. H

1

1. 71.4 2. 52 weeks 3. -1 4. 0.045 5. 3 hours 6. $3.25 7. 4 8. 2.25gm 9. 1 10. $8.75

3

1. centimetre 2. millilitre 3. kilolitre 4. metre 5. kilogram
6. millimetre 7. gram 8. litre 9. kilometre 10. milligram

4

1. **D ⇒ B ⇒ C ⇒ G ⇒ F ⇒ H ⇒ A ⇒ E**
   The starting letter could vary as this is a cycle.

2.
condensation

precipitation ⇓

evapouration ⇑

run-off ↘
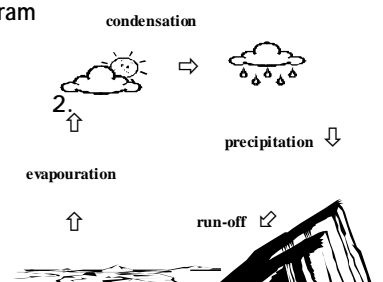
5

1. Australia   2. Red, white and blue Canberra   3. 17 547 000 (1992)   4. English 94%, Italian 2%   5. Australian dollar
6. Language, Southern Hemisphere, culture, etc   7. Size, climate, pop, etc

6

1. 2789008   2. 5590.86

8

1. & 2. **centennial:** relating to, or lasting for one hundred years.
   centigrade: having 100 degrees, another name for celsius.
   centipede: anthropod having a body of between 15 and 190 segments, each with a pair of legs.
   century: a period of one hundred years.
   decade: a period of ten consecutive years.
   decagon: a polygon with ten sides.
   decalogue: another name for the ten commandments.
   decathlon: an athletic event consisting of 10 different activities.
   millenium: a period of one thousand years.
   millipede: anthropod with cylindrical body, of which each segment has two pairs of walking legs.
3. The prefixes 'deca' meaning 10, 'centi' meaning 100 and 'milli' meaning 1000.

No. 9

1

1. 47200   2. 366 days   3. 141   4. 3.115   5. 57 seconds   6. 40 cents   7. 4   8. 750gm   9. 17   10. $13.50

3

1. They are perpendicular   2. 29m   3. 28cm   4. 40cm   5. 20cm

4

1.

move the ◯ coins

5

1. F   2. C   3. D   4. B   5. H   6. E   7. A   8. G

6

1. Auckland   2. -   3. Stewart Island   4. N.Z. Scientist who split the atom
5. Westland   6. Rugby   7. Kaikoura   8. Wellington
9. Chatham Is robin, kakapo, yellow-eyed penguin, kiwi etc.
10. Hamilton, Palmerston North, Tauranga, Napier, etc

7

1. Some possible examples

2. The animals would die off as their primary food supply is gone.
3. Plants would grow, but the animals higher in food chain would have to find other food to eat, or may die because of lack of food or from eating poisoned rabbits.
4. **Herbivores** are animals that eat plant material only.
   Carnivores are animals that eat only meat.
   Omnivores are animals that eat both plant material and meat.
5. Herbivores: rabbit, caterpillar
   Carnivores: cat, hawk
   Omnivore: bird
   (not always clear-cut divisions)

No. 10

1

1. 11415   2. 9, 18, 27, 36   3. 5   4. 8.9   5. 5400 seconds   6. $5.75   7. 9   8. 1.75m   9. 2   10. $3.90

3

1. 10 units^2 2. 10cm^2 3. 24cm^2 4. 12mm^2 5. 12cm^2

4

1. **Igneous rock** is formed from magma or lava which has solidified underground.
   Sedimentary rock is formed from accumulation and consolidation of fragments deposited by water, ice or air.
   Metamorphic rock is formed from pressure and heat which changes the structure of the original rock.
2. -   3. Pounamu or greenstone   4. A variety of jade found mainly on the West Coast of N.Z.
5. diamond, ruby, emerald, sapphire, topaz, amethyst.

5

1. cannot   2. has not   3. I am   4. we have   5. he will   6. of the clock   7. there's   8. you're   9. who've
10. couldn't

6

$100 - $2 = $98.00 spent on C.D.'s. Work out by trial and error, **3** C.D.s @ **$18.00** = $54.00, **4** C.D.s @ **$11.00** = $44.00,
54 + 44 = $98.00

1
1. 1.775   2. 90 seconds   3. 0.0096   4. 1592   5. 6, 12, 18, 24, 30   6. $47.52   7. octagon   8. 3750m   9. 4
10. $31.85

3
1. 10:30   2. 14:15   3. 22:30   4. 06:28   5. 17:37   6. 3:15 a.m.   7. 3:15 p.m.   8. 11:45 p.m.   9. 5:38 a.m.
10. 12:35 a.m.

4
1. The leaves and branches of the trees help to soften the impact of the rain, plus the roots of the trees hold the soil in place.
2. The rain would cause erosion and the top soil would be washed away.
3. As water in the crack freezes it expands. This would force the crack to widen allowing more water to get in. If the process repeats itself often, the rock will be split open by the expanding ice.

7
21

8

	Country	Capital	National Emblem
A	Scotland	Edinburgh	thistle
B	England	London	rose
C	Northern Ireland	Belfast	shamrock
D	Wales	Cardiff	leek

1
1. 4.012   2. 8½ weeks   3. 1.161   4. 1126.8   5. 3:45 p.m.   6. $27.65   7. cube   8. 750g   9. 24   10. $6.75

3
1 - 3.   4. Another word for perimeter. The distance around the outside of the circle.   5. -
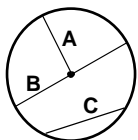
4
1.

2. **egg:** important for new life
larvae: important for feeding and growth
pupa: important for changing form to adult
adult: important for reproducing.

3. larvae   4. swan plant   5. Because they taste bitter as a result of eating the swan plant. Birds also associate the bad taste of the caterpillar with their colour.

6
1. avenue   2. centimetre   3. doctor   4. continued   5. for example   6. mister   7. volume   8. United Nations
9. leg before wicket   10. advertisement   11. frequency modulation   12. kilometre   13. video cassette recorder   14. Island
15. referee or reference   16. save our ship or save our souls   17. revolutions per minute   18. number   19. approximately
20. department   21. kilogram

7
1. Australia   2. A = Queensland, B = New South Wales, C = Victoria, D = Tasmania, E = South Australia,
F = Western Australia, G = Northern Territories
3. Queensland = Brisbane, New South Wales = Sydney, Victoria = Melbourne, Tasmania = Hobart, South Australia = Adelaide,
Western Australia = Perth, Northern Territories = Darwin
4. kangaroo or koala bear

1
1. 0.1622   2. 7, 14, 21, 28, 35   3. 10.7865   4. 913660   5. 1, 2, 3, 6, 9, 18   6. $6.20   7. decagon   8. 13mm
9. 4   10. $36.00

3

4
1.

liquid   gas   solid
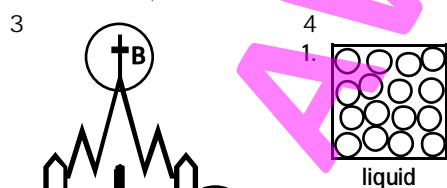
2. At a temperature called 'melting point', the atoms in a solid vibrate enough so that they break out of their fixed positions and the solid becomes a liquid.
3. When heat is applied to a liquid, atoms near the surface vibrate enough to leave the liquid (evaporate). At 'boiling point' the temperature causes the atoms to vibrate more causing bubbles to rise to the surface. The liquid then charges to a gas.
4. mercury
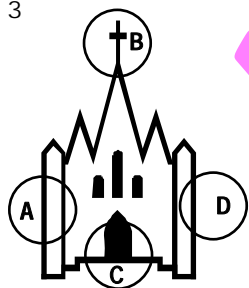
5

Sundials require an angle of 30º between hours. Using the block of wood, nail the nail in the block somewhere near the middle of one side. Using a protractor mark off the hours etc. Place the sundial in the sun and using a watch or radio to get the correct time, turn the sundial to line up the shadow of the sun with the time marked on the wood. Check the sundial at other times to see if it is correct.

7

1. aloud   2. allowed   3. allowed, aloud   4. past   5. passed   6. past   7. passed   8. lose   9. loose   10. lose

8

1. sleeping   2. 2 hours   3. ¼

No. 14

1

1. 9   2. 100 years   3. 11.75   4. 31.25   5. 366 days   6. $12.65   7. nonagon   8. 29.5cm   9. 3
10. $16.50

4

1. The heat from the sun causes the water in the clothes to change into water vapour, which is blown away by the wind, thus repeating the procedure. The stronger the wind, the faster the clothes will dry.   2. As the air temperature outside the house cools the glass window, the warm air (plus water vapour) inside the home also cools causing it to change back into liquid water, appearing as condensation on the window.   3. Light travels at a faster speed than sound (297600km per second or 7 times round the world in the time it takes you to say your name.) Sound travels more slowly (about ½ a kilometre per second).   4. Oiling regularly reduces the friction by maintaining a thin layer of oil on the metal surfaces between the axle and wheel, therefore allowing the wheel to spin more freely. Can also help to prevent rusting.   5. In an empty room the sound waves are reflected or bounce off the solid surfaces such as the walls, therefore you hear the sound more than once at the same time. In a room full of people, the sound waves are absorbed by the softer surfaces of the people and their clothes, and do not bounce around the room.

5

1. France   2. Nuclear weapons testing in the Pacific   3. Paris   4. 56 822 000   5. French 87%   6. Franc
7. Farming, wine making, literacy rates, standard of living, etc.   8. Culture, size, population, language, nuclear views, etc.

6

1. C   2. B   3. D   4. I   5. H   6. A   7. F   8. E   9. J   10. G

8

10	–	2	×	3	=	4
17	–	8	+	3	=	12
20	÷	5	+	6	=	10
3	×	4	+	4	=	16
2	+	6	×	3	=	20

$0 = 4 \div 2 + 1 - 3$
$1 = (4 + 1) \div (3 + 2)$
$2 = (4 - 3) \times 2 \div 1$
$3 = (4 - 3) \times 2 + 1$
$4 = 4 \div 2 + 3 - 1$
$5 = 1 \times 4 \div 2 + 3$
$6 = 4 \div 2 + 3 + 1$
$7 = (4 + 1) \times 2 - 3$
$8 = (3 - 2 + 1) \times 4$
$9 = 3 \times 2 + 4 - 1$
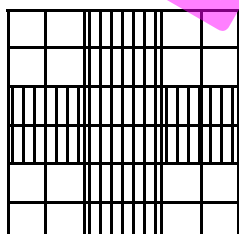$10 = 4 \times 3 \div 1 - 2$
[Remember BEDMAS rules]

these are some possible answers

No. 15

1

1. 11   2. 15:25 hours   3. 121   4. 1410   5. 1, 2, 3, 4, 6, 12   6. $11.25   7. pentagon   8. 525cm   9. 68
10. 6kg

3

1. 5 units²   2. 20 units²

4

1. It is difficult to dig out because it has a long tap root.   2.

3. The young leaves can be used in salads or cooked as a vegetable. The milky juice in the stem makes an excellent wine. The roots can be roasted and ground into a powder to be used as a coffee substitute. Use in herbal medicine for upset digestion and rheumatism.

4. » the long root helps it reach water in dry weather and stops it from being pulled out easily.
   » the leaves crowd out other plants, channel water towards the tap root, lie flat to make full use of the sun's energy therefore they are fast growers. Will not die if the leaves are cut off at ground level.
   » the long flower stalk holds the seed head above the ground to allow the parachute seeds to be blown away more easily.

flower / seed head
stalk
leaves
tap root
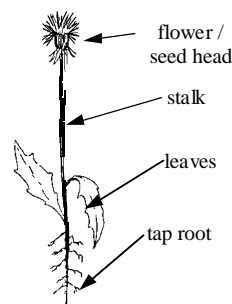
The word 'dandelion' comes from the French 'dentes de lion' which means 'teeth of the lion', named because of the leaf shape.

6

fairies, potatoes, dishes, boxes, calves, donkeys, pianos, rooves or roofs, deer, memories, men, children.

7

1. D   2. F   3. G   4. E   5. A   6. B   7. H   8. C   9. J   10. I

8

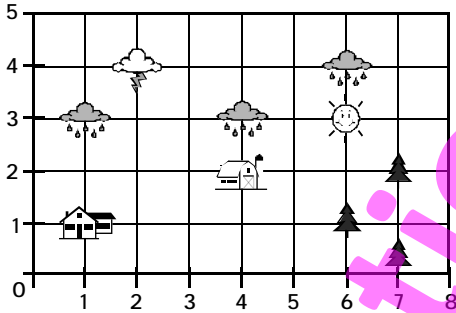| 4	2	6	▨	1	8	6	2
9	▨	5	2	4	▨	6	▨
6	▨	4	▨	2	5	7	▨
1	4	2	8	▨	4	3	1
▨	7	▨	6	2	5	▨	6
4	0	2	1	▨	3	2	9

1

1. 15   2. 8, 16, 24, 32, 40   3. 7.424   4. 9   5. 169 minutes   6. $13.25   7. heptagon   8. 1.25m   9. 5
10. $21.50

3

1. (1,1)   2. (4,2)   3. (6,1), (7,0), (7,2)   4. (2,4)

5.

5

1. 1   2. 6   3. 2

7

uncertain, imperfect, irregular, inexpensive, illegal, unselfish, immovable, undecided, inaccurate.

1

1. 15   2. 2, 3, 7, 11, 13, 17   3. 81   4. 1   5. 13   6. $5.18   7. ▱   8. $5.65   9. 8
10. $6.15

3

1. 7, 9, 13 - odd numbers   2. 8, 32, 64 - double each number   3. 100, 25, 6¼ - halve each number   4. 4, 13, 19 - add 3
5. -2, 10, 18 - add 4   6.   7. 19 and 31

4

1. -   2. -   3. 'biodegradable' means capable of being decomposed by bacteria or other biological means.
4. 'flammable' means liable to catch fire: readily combustible.   5. Avoid breathing in the fumes and lighting matches.

5

1. **Osteopath**: a healer who manipulates bones and other parts of the body.
2. **Dermatologist:** a healer who deals with the skin and its disorders.
3. **Orthodontist:** a dentist concerned with correcting abnormalities of the teeth.
4. **Croupier:** a person who deals cards and collects bets at a gambling table.
5. **Vintner:** a wine merchant.
6. **Podiatrist:** a healer who treats feet, especially corns and verrucas; a chiropodist.
7. **Matador:** the principal bull fighter who kills the bull.
8. **Choreographer**: a person who composes dance steps and sequences.
9. **Taxidermist**: a person who prepares, stuffs and mounts animal skins so that they have a life-like appearance.
10. **Calligrapher**: a person who does beautiful handwriting and considers it an art.

6

Start both egg timers together. When the three-minute timer finishes, start it again. When it finishes, 6 minutes have passed so put the biscuits in. There is one minute left on the 7-minute timer. When it finishes, start it again and the seven minutes plus the one before, makes 8.

To time 10 mins, run the 3-minute timer and then the 7-minute timer.

To time 11 mins, start both together. When the 3-minute one is finished, there are 4 minutes left on the 7-minute one. These 4 mins plus another 7 make 11 minutes.

To time 12 mins, use the 3-minute timer 4 times.

7
Facts
By 1889, there were just 541 buffalo left alive.
There were no horses on the Plains until the white men brought them.
The Sioux's real name is Dakota (meaning allies).
The Battle of Wounded Knee took place in 1890.

All other sentences are opinions

No. 18

1
1. 19   2. 1, 3, 5, 15   3. 50.196   4. 31   5. 3½ hours   6. $24.30   7. triangle   8. 1.256g   9. 6
10. $6.15
3
1. $9.60   2. $6.40   3. $8.40   4. $7.40   5. $31.80   6. $56.30   7. Phone bill = no. of minutes x 80c + $24.50
**4**
1. cold-blooded vertebrates which live on land and breed in water.   2.
3. toads, newts, salamanders and frogs.
4. Eggs lay dormant in the dried up mud of a pond, ready to hatch when it rains again.

egg
frog   tadpole
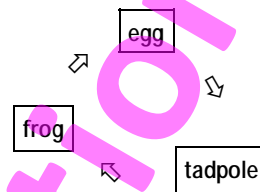
6
1. 68   2. Monday   3. Sunday   4. There were 2 more births than deaths.
5. There are more deaths than births.   The population seems to be decreasing.
6.

Births and Deaths
Mon to Sun

Births   Deaths
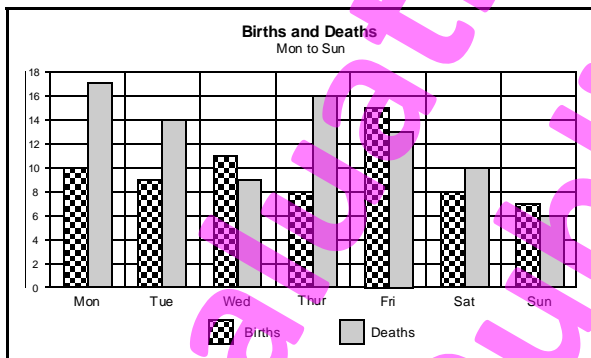
8
1. G   2. B   3. F   4. C   5. D   6. H   7. A   8. E
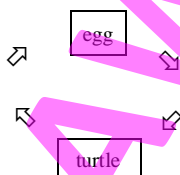
No. 19

1
1. 40   2. 200   3. 0.0345   4. 31.25   5. 23 or 29   6. $10.80   7. All 3 sides are the same length. Each angle is 60°.
8. 44.6cm   9. 64   10. $27.00
3
1. $50.00   2. clothes = $15.00, books = $10.00, lollies = $5.00   3. $20.00   4. -
4
1. reptiles   2.   egg   3. They are cold-blooded and need the warmth of the sun for their muscles to work.
                                        Scaly skin keeps in moisture but they lose heat easily.

turtle

6
1. E   2. C   3. F   4. D   5. G   6. A   7. B
7
Learning requires your effort
**8**
1. threw, through   2. threw   3. through   4. weather   5. whether   6. whether, weather   7. all ready   8. already

1

1. -4   2. 11, 22, 33, 44, 55   3. 0.5098   4. 11   5. $7.00   6. $35.40   7. hexagon   8. 52.5mm   9. 600000
10. 8g

3

1. -   2. -   3. 250 times   4. (H,1), (H,2), (H,3), (H,4), (H,5), (H,6), (T,1), (T,2), (T,3), (T,4), (T,5), (T,6)   5. 10 times

4

1. Acid rain is rain which contains some sulphuric acid or nitric acid. It forms when pollution, mainly sulphur dioxide rises and mixes with the moisture in the air.
2. Acid rain can affect plants by taking nutrients away from the soil, so plants can not grow as well. Plants can get diseases more easily and die. Lose their leaves earlier or have less leaves, therefore eventually die. Fish, frogs and plants can die off in lakes which become too acidic.
3. It could be prevented by reducing the amount of sulphur dioxide and nitrogen oxides emitted into the atmosphere. Burning coal is one cause of acid rain.

5

```
        [4]
   [2]       [6]
[12]   [10]   [8]
  [14]      [18]
       [16]
```
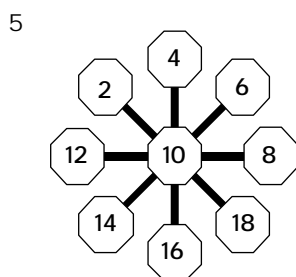
6

1. -
2. "Who was that kid you were playing with yesterday?" asked Sam.
    "That's a new kid at our school. He comes from Gore," replied Max.
    "What's he like?"
    "O.K. He's got a real good sense of humour!" Max shouted, as he ran to catch a ball.
3. pig**e**on   manag**e**able
    sep**a**rate   ras**p**berry
    surg**e**on   parl**ia**ment
    gover**n**ment   gorg**e**ous
    pos**t**pone   pani**ck**ed

7

	Country	Capital	Currency
A	Mexico	Mexico City	peso
B	Brazil	Brasilia	cruzeiro
C	Argentina	Buenos Aires	peso
D	Chile	Santiago	sol nuevo
E	Peru	Lima	peso