

Written in
NZ for NZ

Help Me at HOME Series



Data Projector version of ... **Book 1 (AH1a)**

40x Number Knowledge Worksheets

This resource supports the
Numeracy Professional Development Project
Stages 1 to 3

This resource unit has been supplied on the understanding that copies of any part of this resource will not be given or sold to teachers or students from other schools or institutions.



Information about what is covered within this resource ... 

Click on the worksheet number you require ...

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

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20

21

22

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34

35

36

37

38

39

40





The following activities are covered in worksheets 1 to 10:

- **Read** and **write** numbers up to 10 by writing in the **missing** numbers in a forward or backward sequence.

Example: 1, ____, 3, ____, 5, ____, 7, ____, 9, ____

- **Write** the number that comes **after**, **before** or **between** the given numbers from 1 to 10.

Example: after 3, ____, before ____, 7 between 7, ____, 9

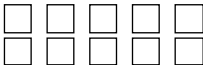
- **Write** 5 numbers between 1 to 10 in **order** from **smallest** to **largest** or **largest** to **smallest**.

Example: 3, 9, 1, 6, 2

Note: Written as five, this is a number word. Written as 5, this is a numeral.

- **Form a set** of up to 10 by colouring in a given number of shapes.

Example: Colour in 4



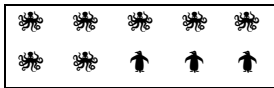
Note:

There are always 2 rows of 5 shapes.
The total number of shapes is 10.



- Count the number of two different animal pictures.

Example:

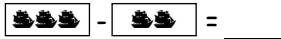


Note:

There are always 2 rows of 5 shapes.
The total number of shapes is 10.

- Addition combinations up to 9 and corresponding subtraction facts using pictures.

Example:



Note:

Have a supply of objects to
model each question.



The following activities are covered in worksheets 11 to 20:

- **Read** and **write** numbers up to 15 by writing in the **missing** numbers in a forward or backward sequence.

Example: 1, __, 3, __, 5, __, 7, __, 9, __, 11, 12, __, __, 15

- **Write** the number that comes **after**, **before** or **between** the given numbers from 1 to 15.

Example: after 14, __, before __, 10 between 11, __, 13

- **Write** 5 numbers between 1 to 15 in **order** from **smallest** to **largest** or **largest** to **smallest**.

Example: 15, 9, 12, 6, 10

Note: Written as five, this is a number word. Written as 5, this is a numeral.

- **Form a set** of up to 10 by colouring in a given number of shapes.

Example: Colour in 12



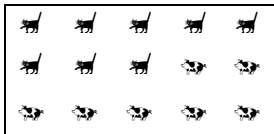
Note:

There are always 3 rows of 5 shapes.
The total number of shapes is 15.



- Count the number of two different animal pictures.

Example:



Note:

There are always 3 rows of 5 shapes.
The total number of shapes is 15.

- Revise the **addition** combinations **up to 9** and corresponding **subtraction** facts and **introduce** combinations that add to 10, using pictures.

Example:

$$\begin{array}{|c|} \hline \text{Tractor} \\ \hline \end{array} + \begin{array}{|c|} \hline \text{Tractor} \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{|c|} \hline \text{Tractor} \\ \hline \end{array} - \begin{array}{|c|} \hline \text{Tractor} \\ \hline \end{array} = \underline{\hspace{2cm}}$$

Note:

Have a supply of objects to
model each question.



The following activities are covered in worksheets 21 to 30:

- **Read** and **write** numbers up to 50 by writing in the **missing** numbers in a forward or backward sequence.

Example: 26, 27, 28, ____, 30, ____, 32, ____, 34, ____, 36, 37, ____, 39, ____

- **Write** the number that comes **after**, **before** or **between** the given numbers from 1 to 50.

Example: after 24, ____, before ____, 41 between 36, ____, 38

- **Write** 5 numbers between 1 to 50 in **order** from **smallest** to **largest** or **largest** to **smallest**.

Example: 21, 35, 18, 43, 9

- **Match** number words with numerals from 1 to 20.

Example: seven, five, sixteen, nine, thirteen 16, 5, 7, 13, 9

Note: Written as five, this is a number word. Written as 5, this is a numeral.



- Count the number of two different animal pictures.

Example:



Note:

There are always 4 rows of 5 pictures.

The total number of pictures is 20.

Encourage 'counting on' from 5's (1 row) and 10's (2 rows).

Example: $5 + 2 = 7$ $10 + 3 = 13$ $Total = 20$

- Using the '**counting on**' or '**counting back**' strategy, revise the **addition** combinations **up to 10** and corresponding **subtraction** facts.

Example:

$$\boxed{6} + \boxed{\begin{array}{cc} \text{car} & \text{car} \\ \text{car} & \text{car} \end{array}} = \underline{\hspace{2cm}}$$

$$\boxed{9} - \boxed{\begin{array}{ccc} \text{car} & \text{car} & \text{car} \\ \text{car} & \text{car} & \text{car} \end{array}} = \underline{\hspace{2cm}}$$

Note:

Have a supply of objects to model each question.



The following activities are covered in worksheets 31 to 40:

- **Read** and **write** numbers 46 to 100 by writing in the **missing** numbers in a forward or backward sequence.

Example: 56, 57, 58, ____, 60, ____, 62, ____, 64, ____, 66, 67, ____, 69, ____

- **Write** the number that comes **after**, **before** or **between** the given numbers from 50 to 100.

Example: after 74, ____, before ____, 81 between 66, ____, 68

- **Write** 5 numbers between 46 to 100 in **order** from **smallest** to **largest** or **largest** to **smallest**.

Example: 21, 35, 18, 53, 9

- **Match** number words with numerals from 1 to 20 and 'ty' number words 30, 40, 50, 60, 70, 80 & 90.

Example: fourteen, nine, forty, nineteen, ninety 40, 90, 19, 14, 9

Note: Written as five, this is a number word. Written as 5, this is a numeral.



- Count the number of two different animal pictures.

Example:



Note:

There are always 4 rows of 5 pictures.

The total number of pictures is 20.

Encourage 'counting on' from 5's (1 row) and 10's (2 rows).

Example: $5 + 2 = 7$ $10 + 3 = 13$ $Total = 20$

- Using the '**counting on**' or '**counting back**' strategy, revise the **addition** combinations **up to 10** and corresponding **subtraction** facts.

Example:

$$\boxed{7} + \boxed{\text{2 cars}} = \underline{\hspace{2cm}}$$

$$\boxed{9} - \boxed{\text{2 cars}} = \underline{\hspace{2cm}}$$

Note:

Have a supply of objects to model each question.

- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, _____, 3, _____, 5,
_____, 7, _____, 9, _____

- (2) **Write** the number that comes after ...

1, _____ 3, _____ 5, _____

1a

1b

1c

1d

- (3) Write these numbers in order from smallest to largest.

_____ , _____ , _____ , _____ , _____

- (4) Colour in 3



8
2
6
10
4

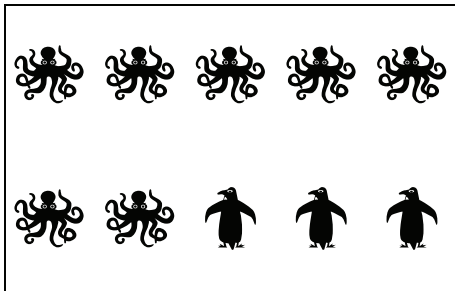
1a


1b


1c

1d

(5) Count the number of  and .



 = _____

 = _____

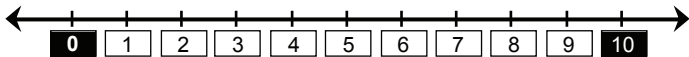
1a

1b

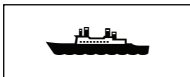
1c

1d

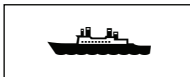
Add and subtract these pictures.



(6)



+



=

(7)



+



=

(8)

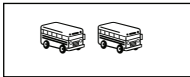


-



=

(9)



-



=

1a

1b

1c

1d



- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, 2, 3, 4, 5,

6, 7, 8, 9, 10

- (2) **Write** the number that comes after ...

1, 2 3, 4 5, 6



- (3) Write these numbers in order from smallest to largest.

2, 4, 6, 8, 10

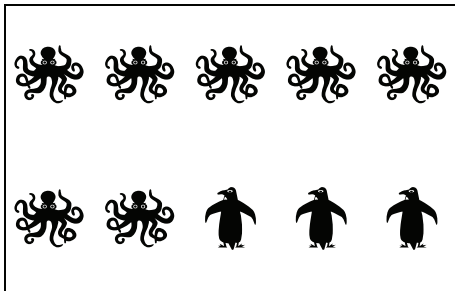
8
2
6
10
4


- (4) Colour in 3





(5) Count the number of  and .

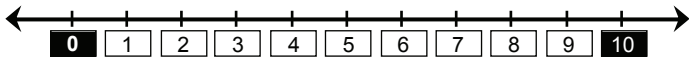


$$\text{} = 7$$

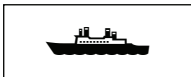
$$\text{} = 3$$



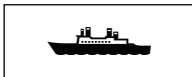
Add and subtract these pictures.



(6)



+



=

2

(7)



+



=

4

(8)



-



=

1

(9)



-



=

2

- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



_____, 2, _____, 4, _____,
6, _____, 8, _____, 10

- (2) **Write** the number that comes before ...

_____, 2 _____, 10 _____, 6

2a

2b

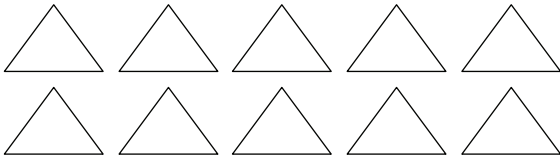
2c

2d

- (3) Write these numbers in order from smallest to largest.

_____ , _____ , _____ , _____ , _____

- (4) Colour in 7



3

9

1

7

5

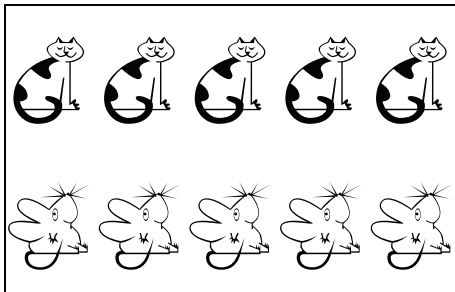
2a


2b


2c

2d

(5) Count the number of  and .



 = _____

 = _____

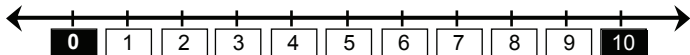
2a

2b

2c

2d

Add and subtract these pictures.



(6)



+



=

(7)



+



=

(8)



-



=

(9)



-



=

2a

2b

2c

2d



- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, 2, 3, 4, 5,

6, 7, 8, 9, 10

- (2) **Write** the number that comes before ...

1, 2 9, 10 5, 6



- (3) Write these numbers in order from smallest to largest.

1, 3, 5, 7, 9

3

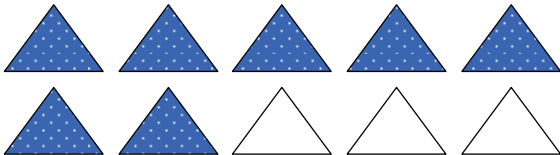
9

1

7

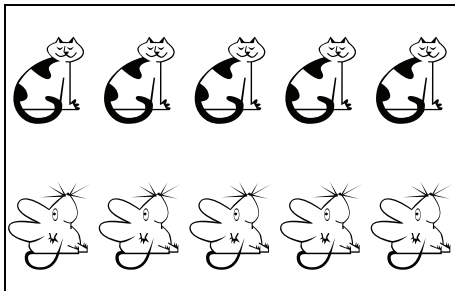
5

- (4) Colour in 7





(5) Count the number of  and .

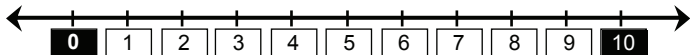


$$\text{cat} = 5$$

$$\text{rabbit} = 5$$



Add and subtract these pictures.



(6)  +  = 6

(7)  +  = 4

(8)  -  = 4

(9)  -  = 2

- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



_____, 2, 3, _____, 5,

_____, 7, 8, _____, 10

- (2) **Write** the number that is **between** ...

8, _____, 10 1, _____, 3 4, _____, 6

3a

3b

3c

3d

- (3) Write these numbers in order from largest to smallest.

_____ , _____ , _____ , _____ , _____

- (4) Colour in 5



8

2

7

5

9

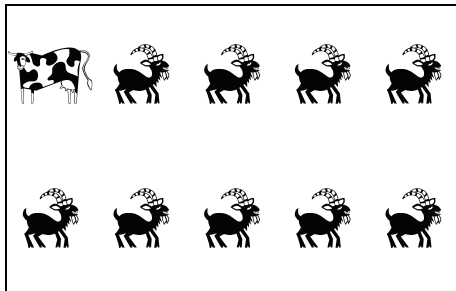
3a


3b


3c

3d

(5) Count the number of  and .



 = _____

 = _____

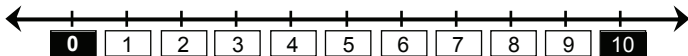
3a

3b

3c

3d

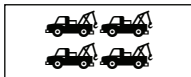
Add and subtract these pictures.



(6)



+



=

(7)



+

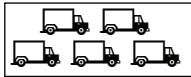


=

(8)

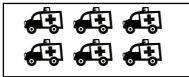


-

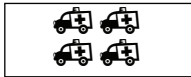


=

(9)



-



=

3a

3b

3c

3d



- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, 2, 3, 4, 5,

6, 7, 8, 9, 10

- (2) **Write** the number that is between ...

8, 9, 10 1, 2, 3 4, 5, 6



- (3) Write these numbers in order from largest to smallest.

9, 8, 7, 5, 2

8

2

7

5

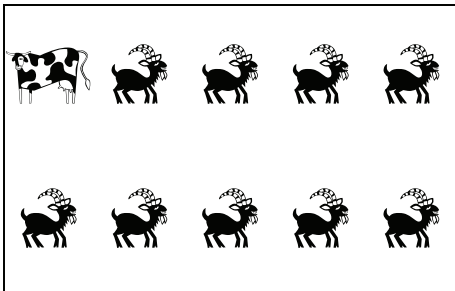
9


- (4) Colour in 5






(5) Count the number of  and .

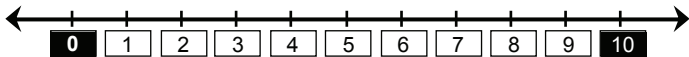


 = 1

 = 9



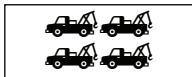
Add and subtract these pictures.



(6)



+



=

5

(7)



+



=

5

(8)



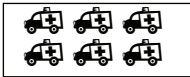
-



=

1

(9)



-



=

2

- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, _____, 3, 4, _____,

6, _____, 8, 9, _____

- (2) **Write** the number that comes after ...

8, _____ 4, _____ 7, _____

4a

4b

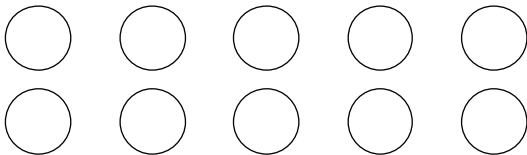
4c

4d

- (3) Write these numbers in order from smallest to largest.

_____ , _____ , _____ , _____ , _____

- (4) Colour in 8



10

1

4

6

3

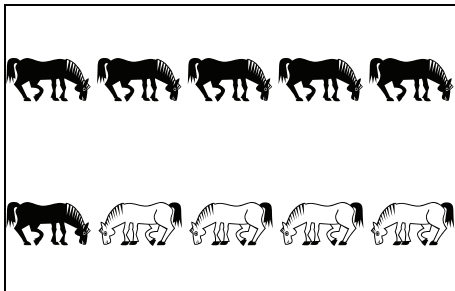
4a


4b


4c

4d

(5) Count the number of  and .



 = _____

 = _____

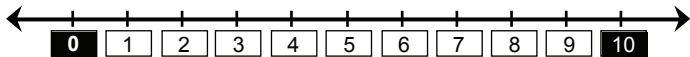
4a

4b

4c

4d

Add and subtract these pictures.



(6)



+



=

(7)



+



=

(8)



-



=

(9)



-



=

4a

4b

4c

4d



- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, 2, 3, 4, 5,

6, 7, 8, 9, 10

- (2) **Write** the number that comes after ...

8, 9 4, 5 7, 8



- (3) Write these numbers in order from smallest to largest.

1, 3, 4, 6, 10

10

1

4

6

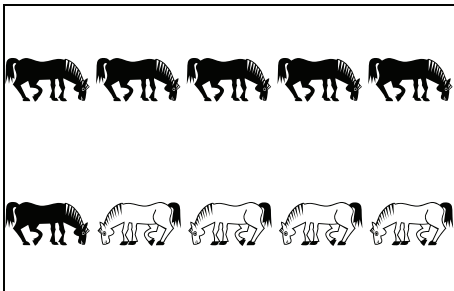
3

- (4) Colour in 8





(5) Count the number of  and .

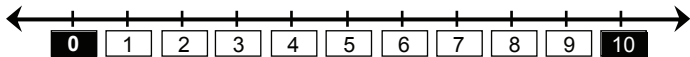










$$\text{black horse icon} = 6$$

$$\text{white horse icon} = 4$$



Add and subtract these pictures.



(6)		+		=	6
(7)		+		=	6
(8)		-		=	3
(9)		-		=	1

- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



_____, 2, 3, _____, 5,

_____, 7, _____, 9, 10

- (2) **Write** the number that comes before ...

_____, 7

_____, 4

_____, 9

5a

5b

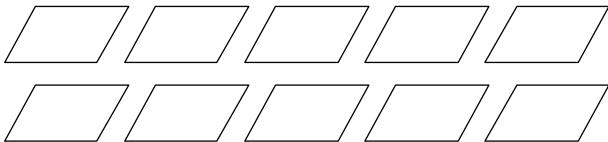
5c

5d

- (3) Write these numbers in order from smallest to largest.

_____ , _____ , _____ , _____ , _____

- (4) Colour in 9



7

2

5

8

4

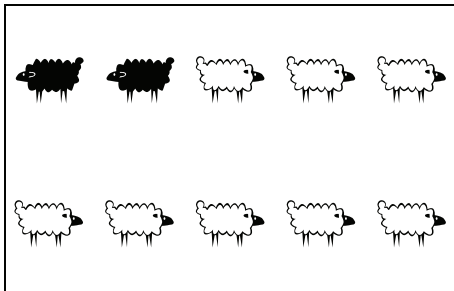
5a


5b


5c

5d

(5) Count the number of  and .



 = _____

 = _____

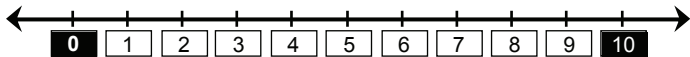
5a

5b

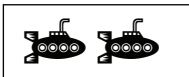
5c

5d

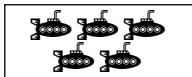
Add and subtract these pictures.



(6)



+



=

(7)



+



=

(8)

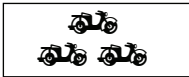


-



=

(9)



-



=

5a

5b

5c

5d



- (1) **Write** in the missing numbers as you count in 1's from 1 to 10.



1, 2, 3, 4, 5,

6, 7, 8, 9, 10

- (2) **Write** the number that comes before ...

6, 7 3, 4 8, 9

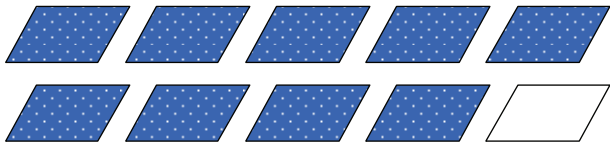


- (3) Write these numbers in order from smallest to largest.

2, 4, 5, 7, 8

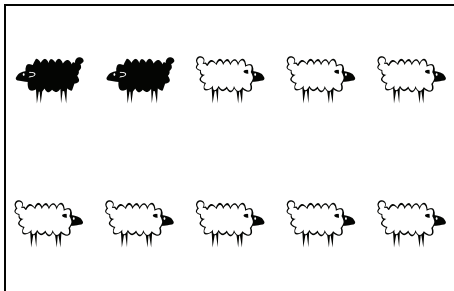
7
2
5
8
4

- (4) Colour in 9





(5) Count the number of  and .

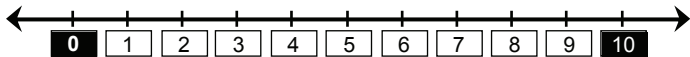










$$\text{black sheep icon} = 2$$

$$\text{white sheep icon} = 8$$



Add and subtract these pictures.



(6)		+		=	<u>7</u>
(7)		+		=	<u>7</u>
(8)		-		=	<u>1</u>
(9)		-		=	<u>2</u>

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