

Help Me at Home Series

Mathematics Student Workbook

A series for parents / care-givers

This series has been written especially to help parents / care-givers help their child at home.

Each resource systematically introduces and revises key number knowledge facts AND also covers other important areas of the mathematics curriculum ... number & algebra, measurement & geometry and statistics.

By using this series, you too can find out how mathematics is being taught in schools today and therefore be of more help to your child, should problem areas arise.

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Mathematics
Student Workbook
Book 1
40x Number Knowledge Worksheets
40x Curriculum Strand Worksheets
This resource covers Level 1 achievement objectives as outlined in the
Mathematics in the New Zealand Curriculum for the strands
Number & Algebra, Measurement & Geometry and Statistics
nd supports the Numeracy Professional Development Project - Stages 1 to 4
Name: Class:
Author: A. W. Stark

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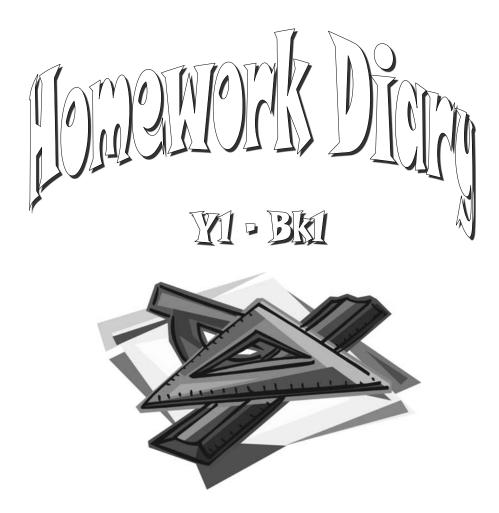
Eight resources are available covering Years 2 to 9.

To find out more about this series and other resources available, contact Andrew by e-mail at <u>aws.resources@xtra.co.nz</u> to get the latest info.



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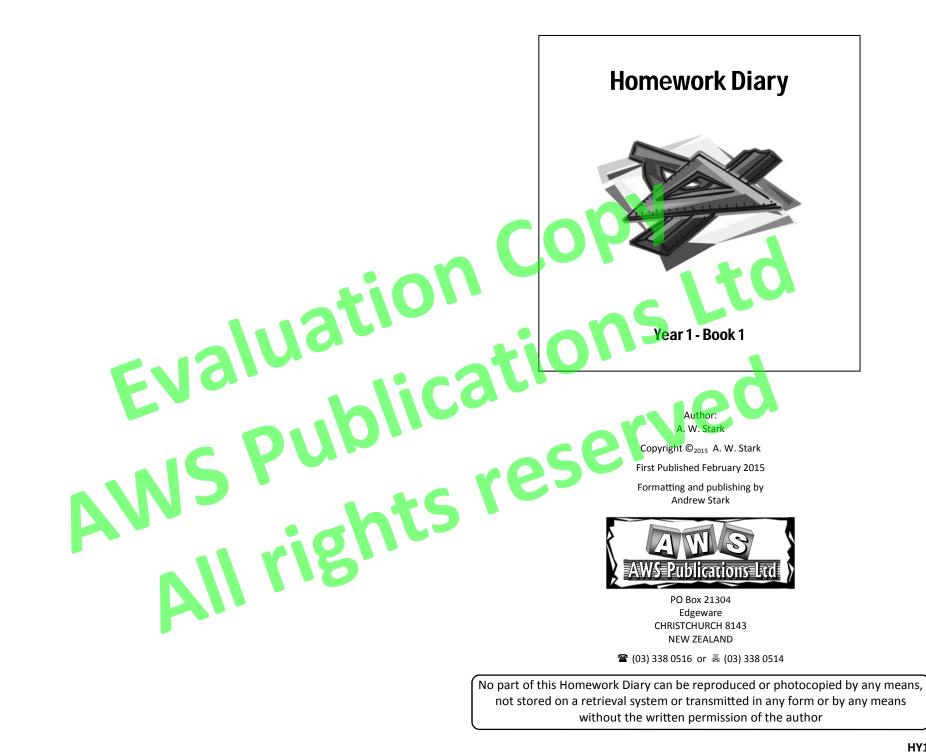
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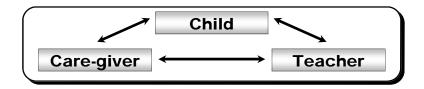


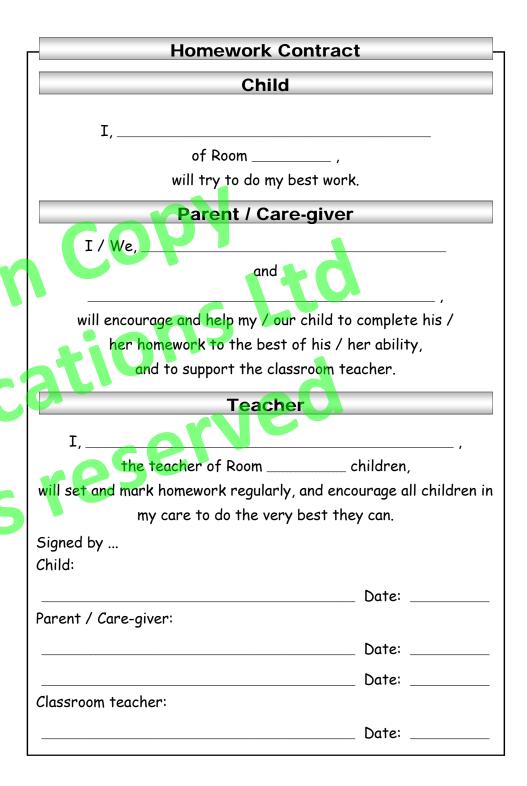


Note from the author:

- The **aim** of this **Homework Diary** is to co-ordinate and support the homework programme at your school.
- The use of this **Homework Diary** adds to the importance of the homework that is being set.
- Educational research shows that homework needs to be regular to be most effective.
- Homework reinforces skills and knowledge gained in the classroom and increases a child's confidence in his / her own ability.
- Each diary contains ...
 - a contract to be signed between child, care-giver and teach
 - helpful ideas for parents / care-givers,
 - a space to record spelling words,
 - a space to practise writing spelling words,
 - a space to record stories read during the week,
 - a prepared Mathematical activity for each week
 - a space to record other homework to be done during the week, plus up-coming events,
 - a space for parents & care-givers / classroom teacher to write comments.

Successful learning requires teamwork ...





Learning Styles

There are three main **learning styles.** These are:



Most people learn by using a combination of all three, but everyone is different.

However, we all have a preferred method and it is helpful to understand the style that best suits your child. So, watch your child and see if you can work out their preferred method.

Teaching ideas for parents / care-givers:

The purpose of this diary is to replicate activities being taught in the classroom, that can also be done at home ... with help from a parent / caregiver.

The Year 1a Diary introduces & revises the following activities:

- Learning how to hold and use a pencil by tracing over lines, shapes, numbers & letters.
- Learning directional words such as up /down, left / right, top / bottom etc.
- Learning to recognise / name simple everyday shapes and identifying shapes that are the same,
- Learning to recognise / name / write letters and identifying letters that are the same,
- Learning to recognise / name / write the numerals (numbers) 1 to 10 and identifying numerals that are the same,
- Learning to say / write the numerals in order from 1 to 10 and 10 to 1,
- Learning to count or colour in up to 10 pictures / shapes / dots,
- Learning to name the numeral that comes before or after a given numeral,
- Learning to say the alphabet in order and write in missing letters.

What's in this Diary?

By presenting activities that involve all three learning styles, you can improve your child's learning, which makes it more enjoyable for them and you.

Let's see how that might work when learning to **recognise or name a letter or numeral**. You might try these steps:

- 1. Say the letter or numeral, pointing to it at the same time.
- 2. Ask your child to say the letter or numeral as they write it (when able).
- 3. Repeat the process until your child can say and write any letter / numeral, given to them at random.

When **learning to say numbers or the alphabet in order**, you might try these steps: *Example: Learning the numbers 1 to 10.*

1. Say the first three (1, 2, 3) and ask your child repeat the sequence.

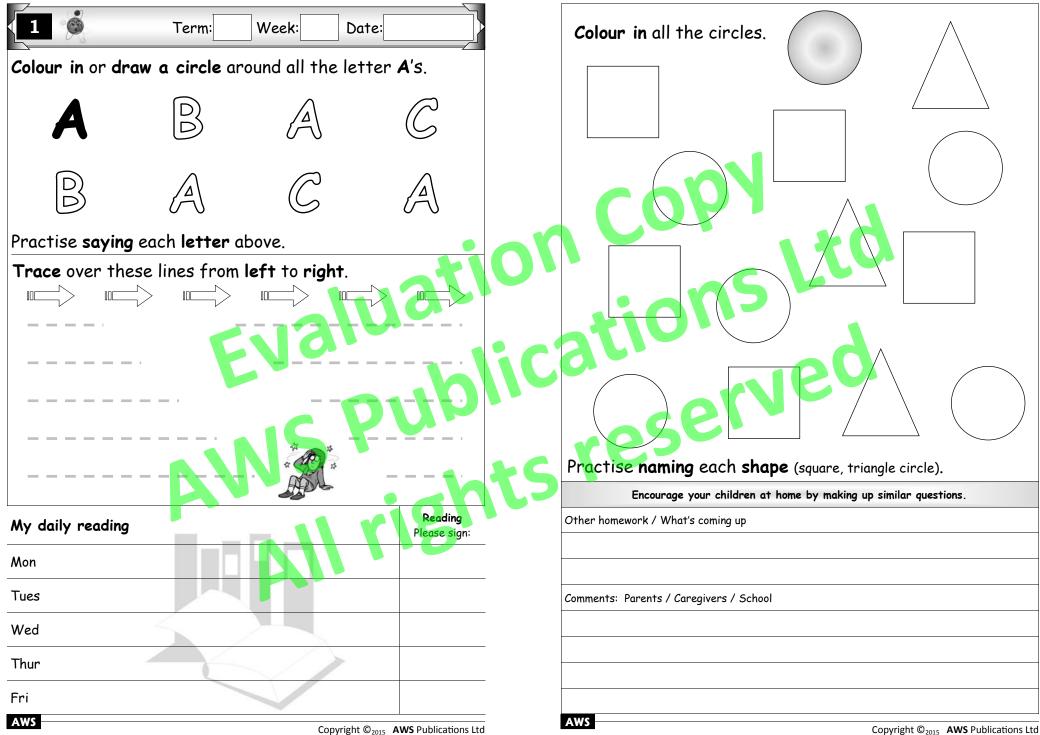
Add two or three more to the sequence (1, 2, 3, 4, 5) and repeat the process above. This is called 'skip counting' in 1's and the same method is used when skip counting in 2's, 10's, 5's etc.

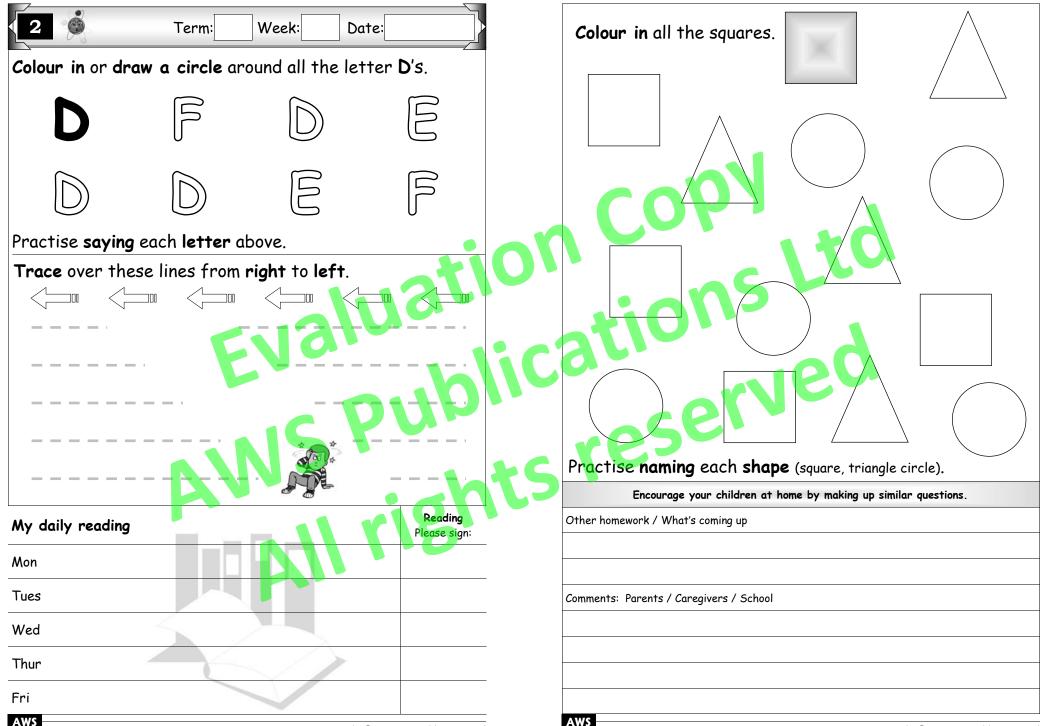
- Continue the process until your child can repeat an entire sequence. In this diary your child is learning the numbers 1 to 10 and the letters of the alphabet.
- To reinforce the learning, ask your child to write the sequence of numbers / letters being introduced / taught.
- The same process is used when learning the alphabet.

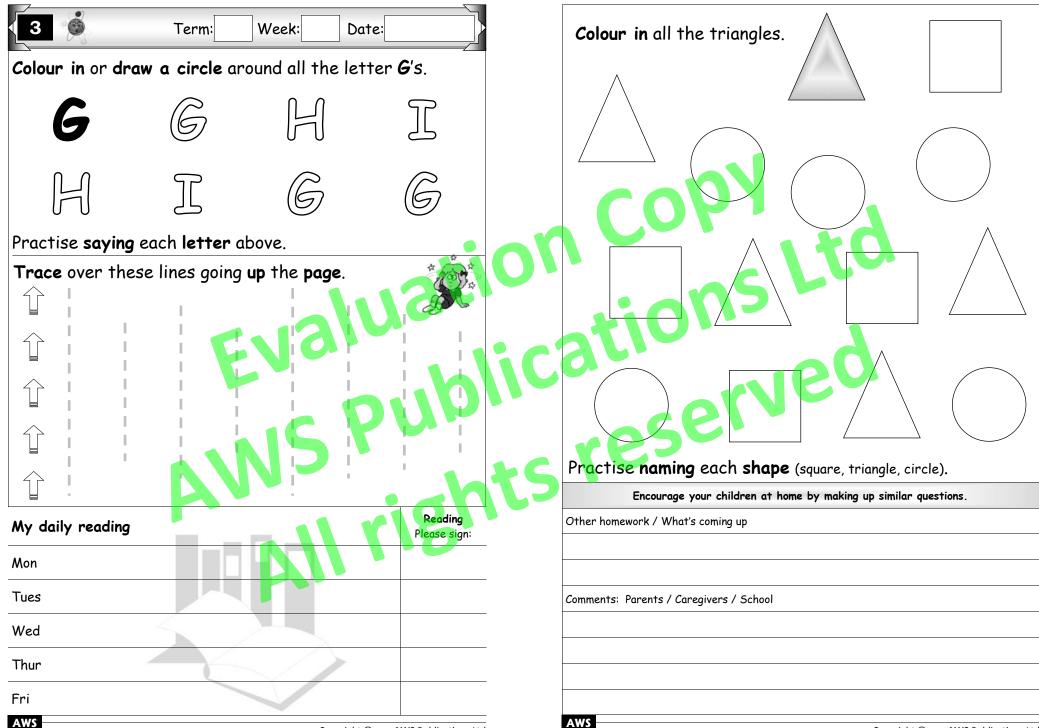
When **learning to count a group of shapes, pictures or dots**, you might try these steps:

- 1. Point to each shape, picture or dot as you count. A supply of blocks that your child can count is also helpful.
- 2. Ask your child to repeat the process and have them write the answers.
- 3. Make up similar counting questions using everyday objects that your child can handle as they count.

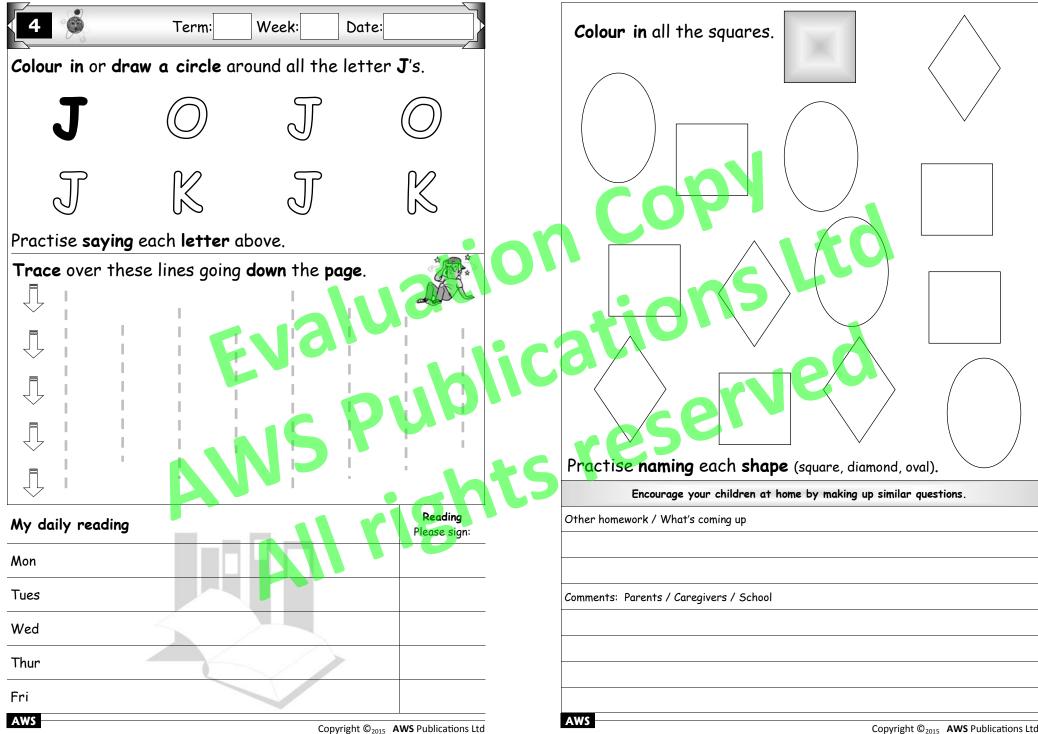
I hope these ideas help.

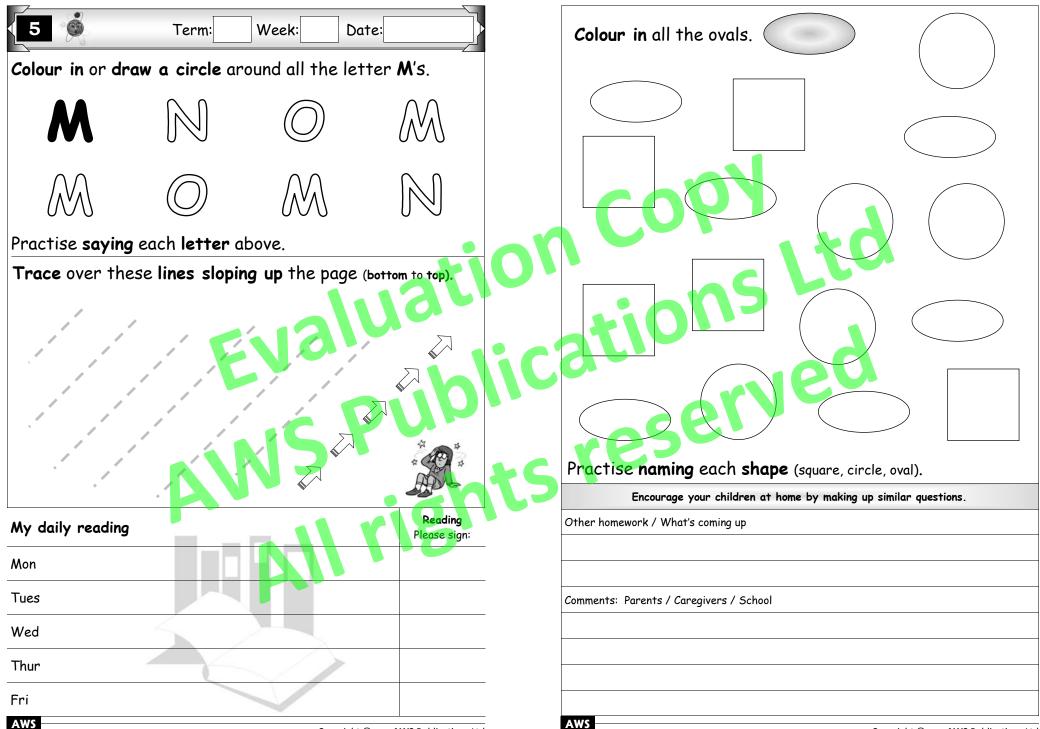


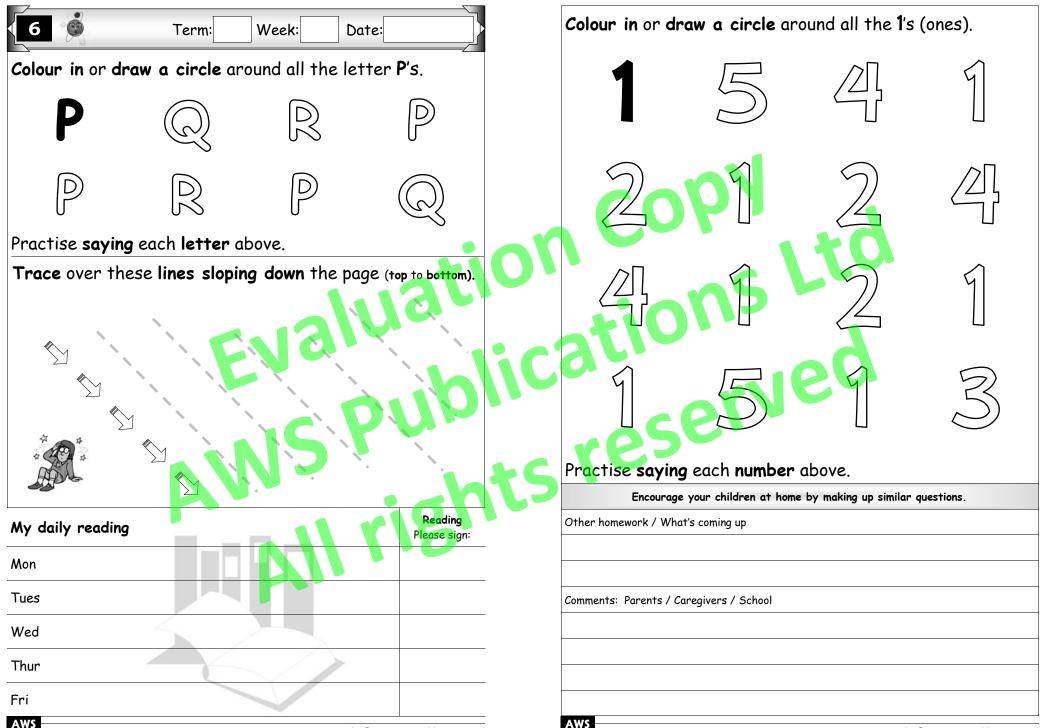


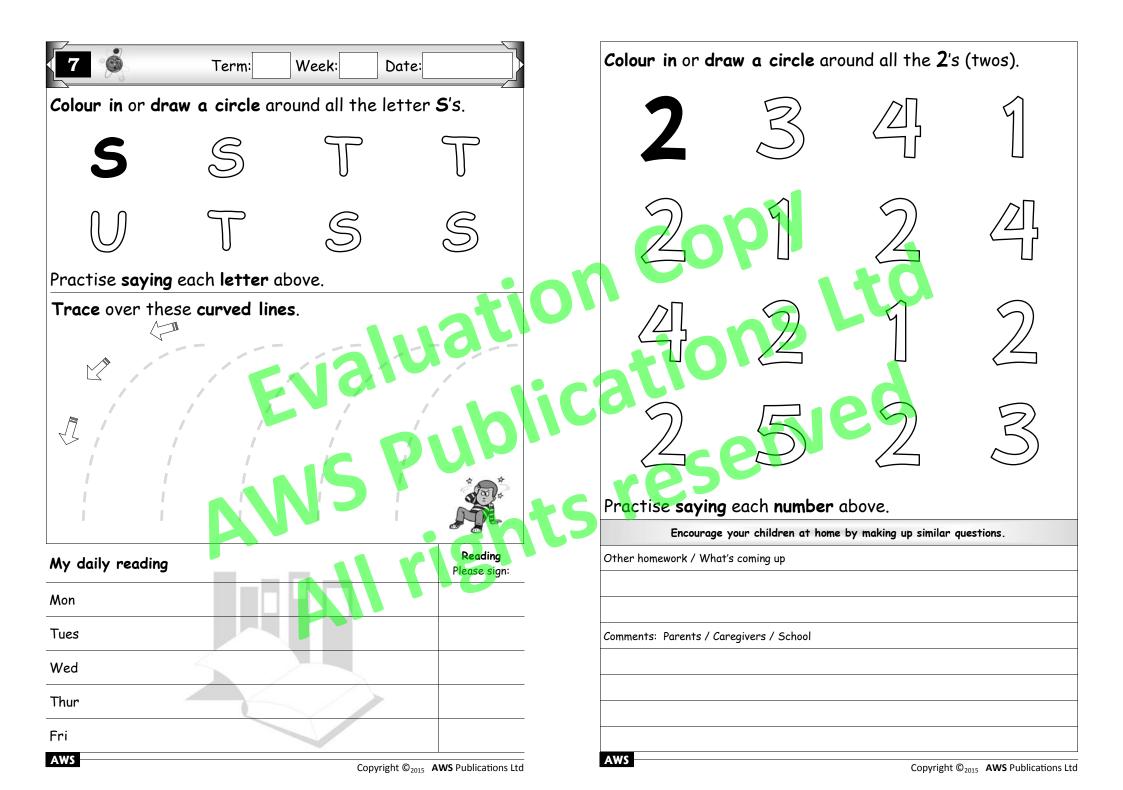


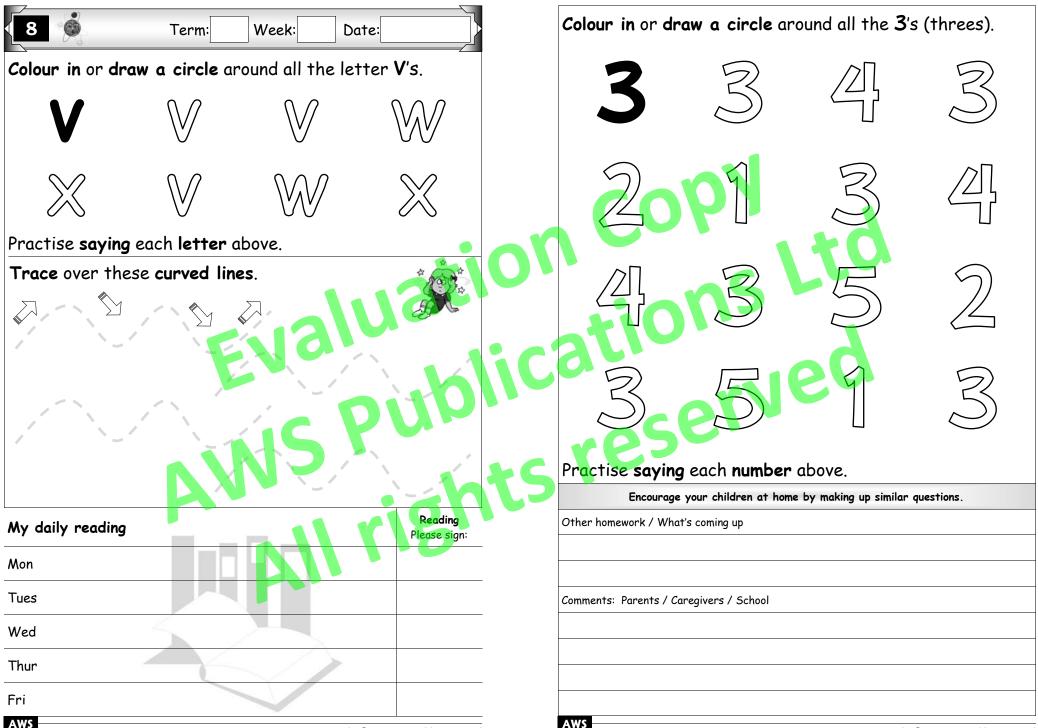
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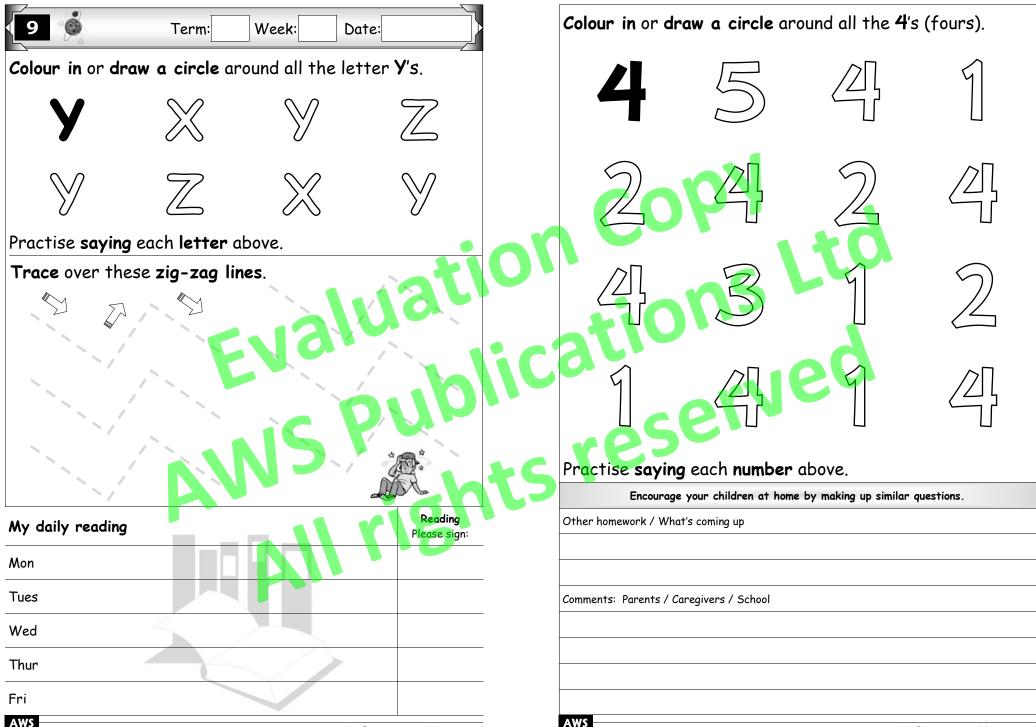


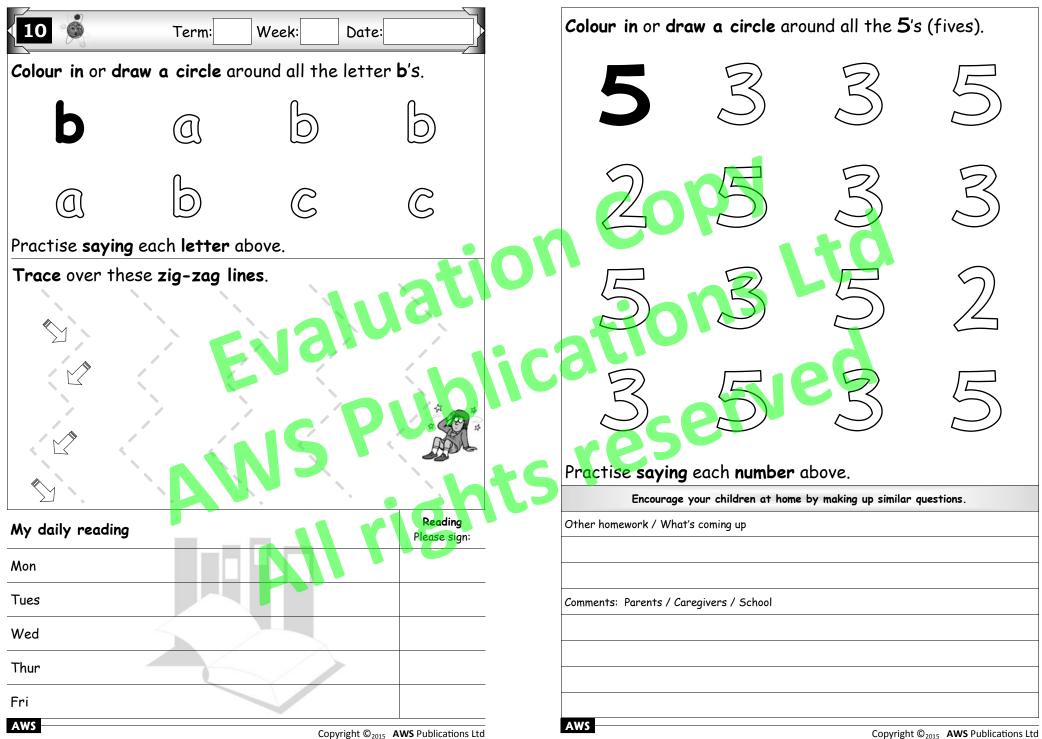


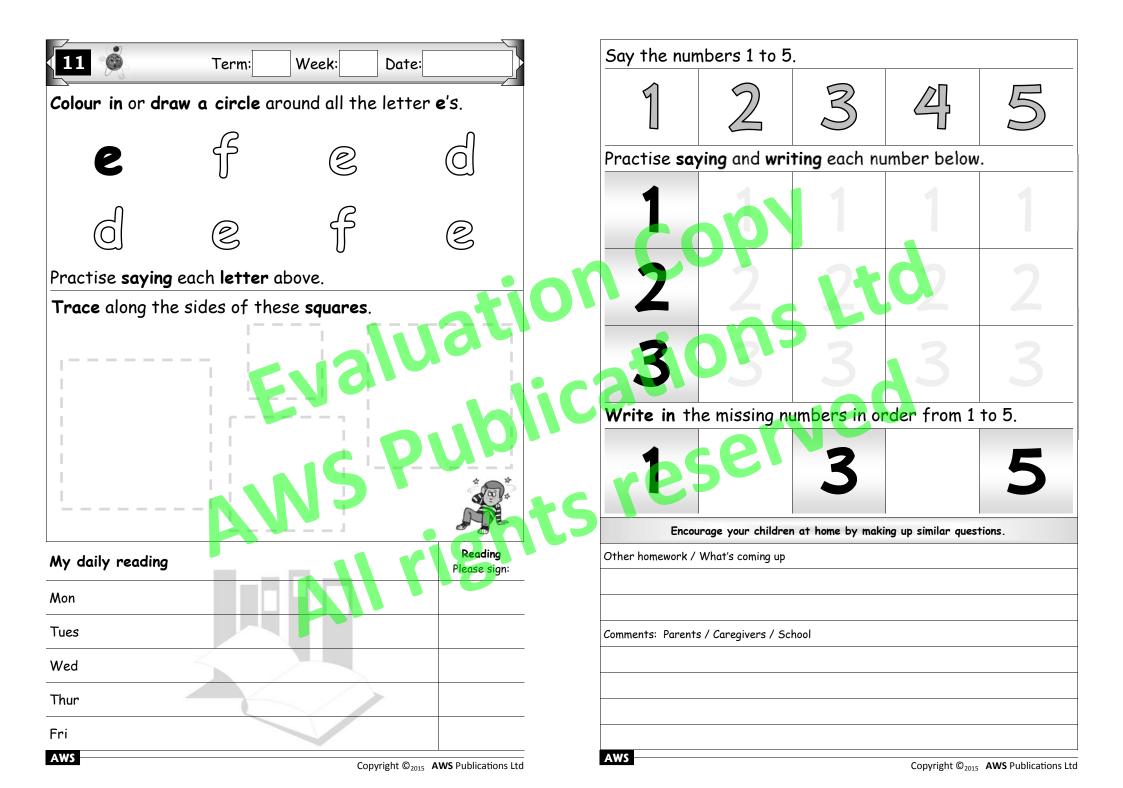


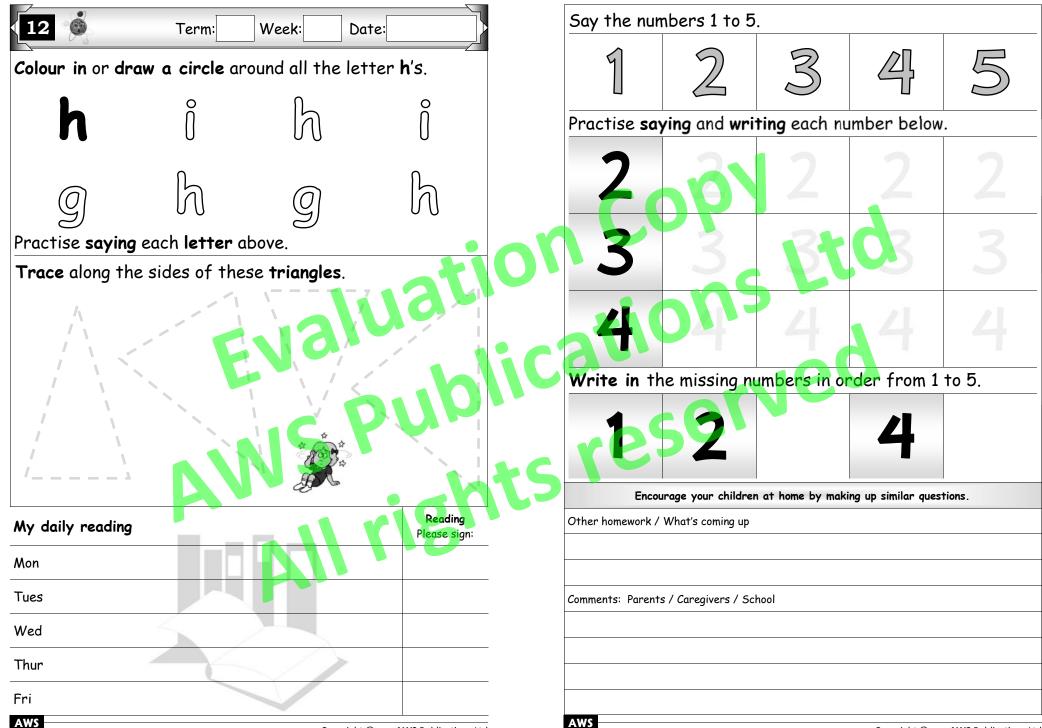


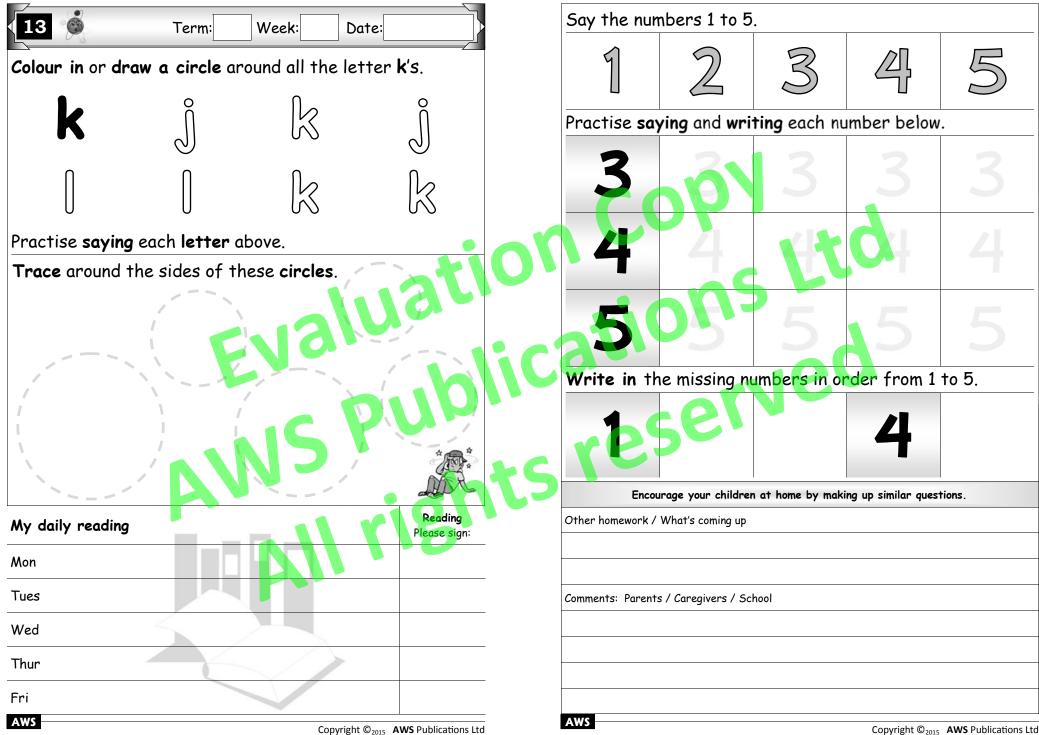


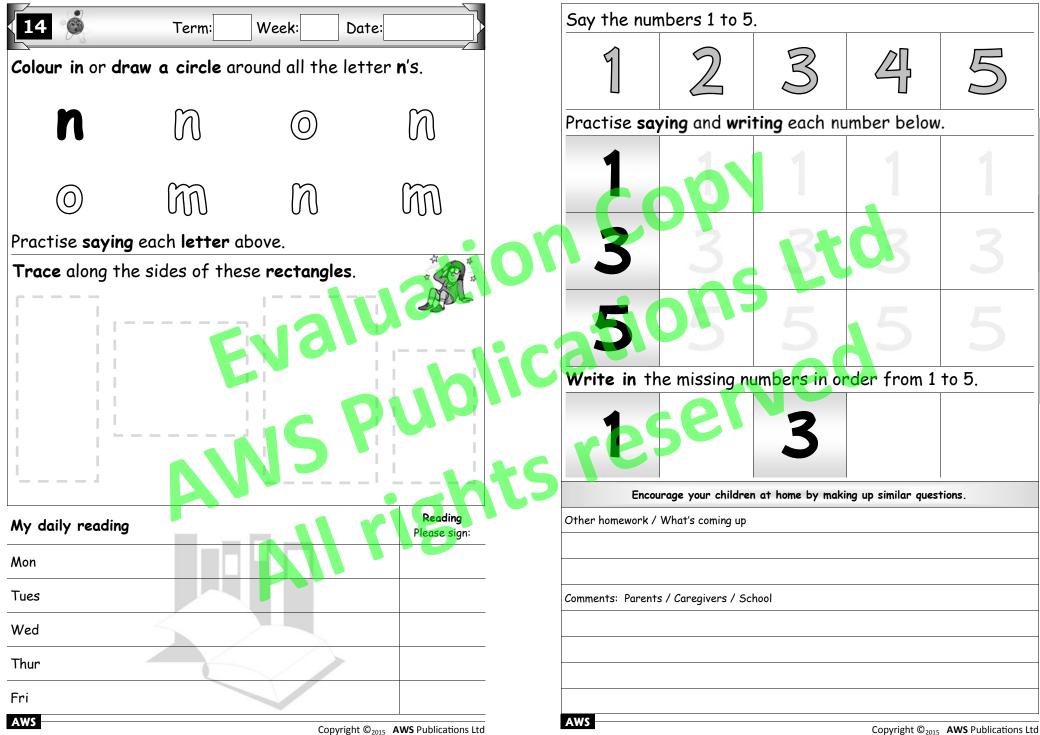


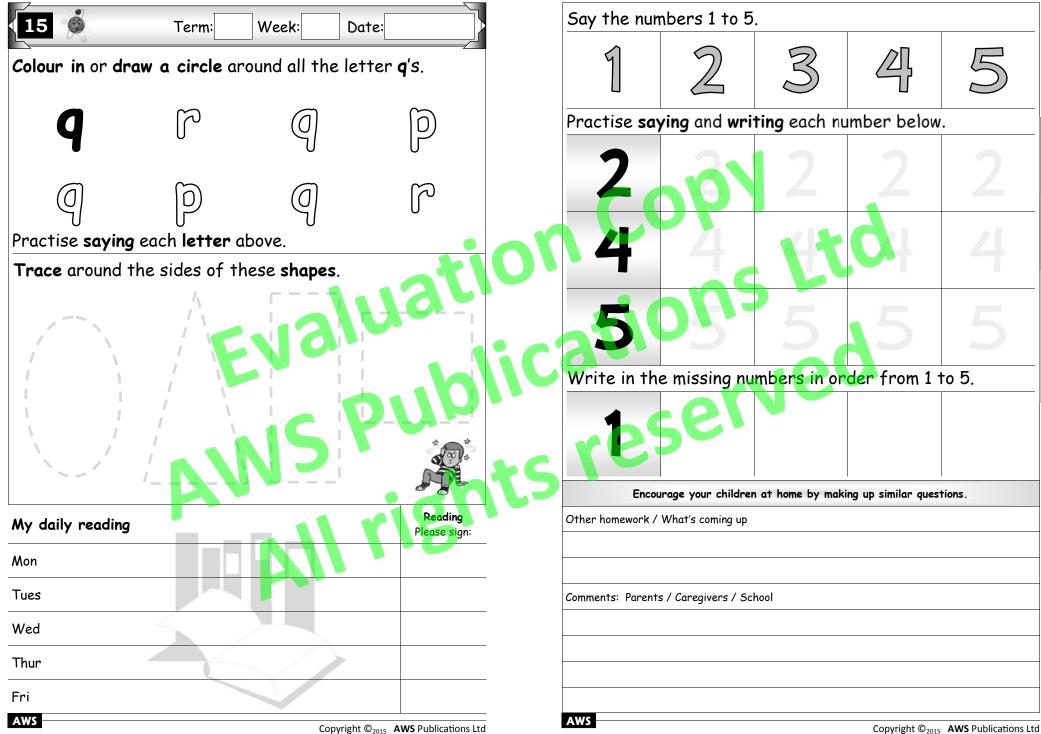














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