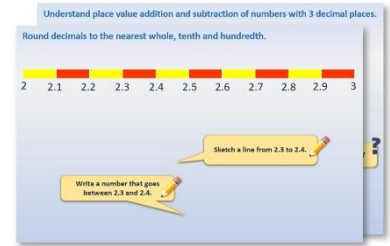


Week 9, Day 5

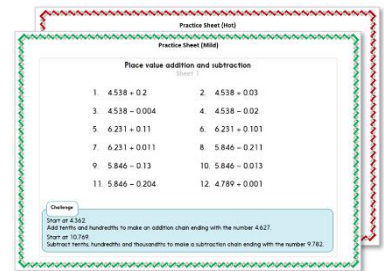
Pictograms

Each day covers one maths topic. It should take you about 1 hour or just a little more.

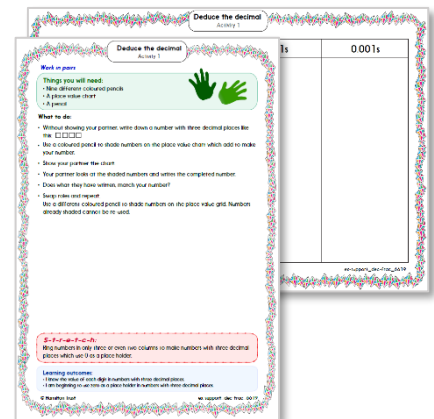
1. Start by reading through the **Learning Reminders**. They come from our *PowerPoint* slides.



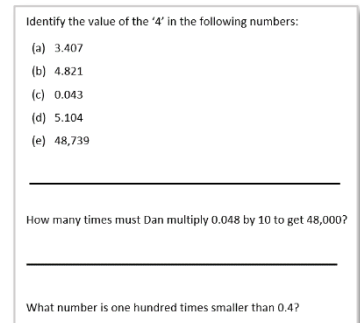
2. Tackle the questions on the **Practice Sheet**. There might be a choice of either **Mild** (easier) or **Hot** (harder)! Check the answers.



3. Finding it tricky? That's OK... have a go with a grown-up at **A Bit Stuck?**



4. Have I mastered the topic? A few questions to **Check your understanding**. Fold the page to hide the answers!



Learning Reminders

Draw and interpret a pictogram.

We are going to draw a **pictogram** to represent the **different types of symmetry** that are in the capital letters.

D

D has one **horizontal line of symmetry**, can you spot any others like that?

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

Learning Reminders

Draw and interpret a pictogram.

M

M has a vertical line of symmetry, can you spot any others like that?

H

H has a vertical line and a horizontal line of symmetry, can you spot any others like that?

G

G has no lines of symmetry, can you spot any others like that?

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

Learning Reminders

Draw and interpret a pictogram.

Let's use the results to draw a **pictogram**.

We can use a picture drawn on a sticker to represent each letter. Each sticker must be the same size.



Symmetry in capital letters

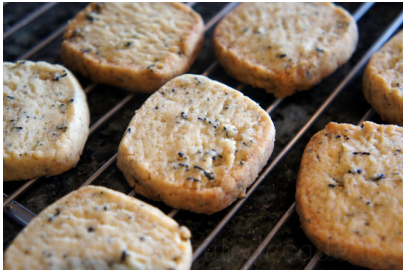
Horizontal symmetry	5
Vertical symmetry	7
Horizontal and vertical	4
No symmetry	10



Practice Sheet for All

Make a pictogram

Use the following information to create a pictogram.
Remember to include labels and a title.

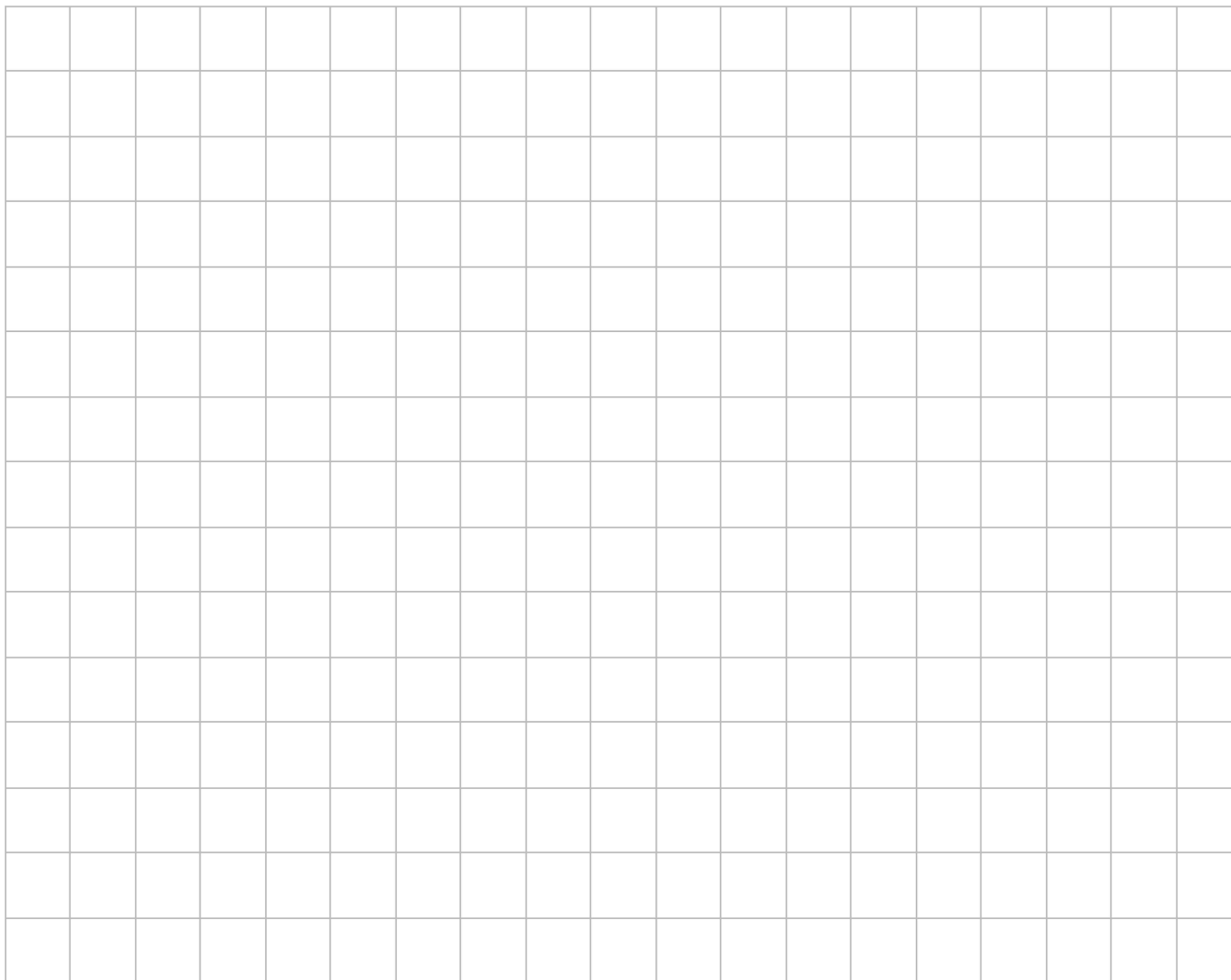


Cookie shape	Number of cookies
Circle	
Square	
Triangle	
Rectangle	
Pentagon	
Hexagon	

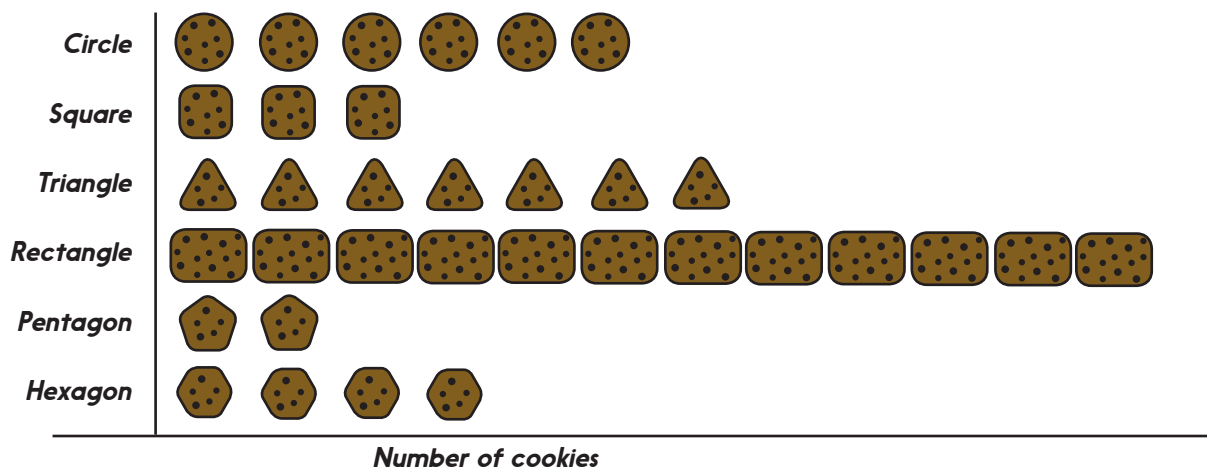
Challenge

Hot: Have a go at this challenge!

Can you use the pictogram to make up and answer 3 questions about the cookie shapes?



Make a pictogram



Challenge

Questions could include:

How many more rectangle than square cookies are there? 9

Which is the least common cookie? *Pentagon*

How many cookies are there altogether? 34

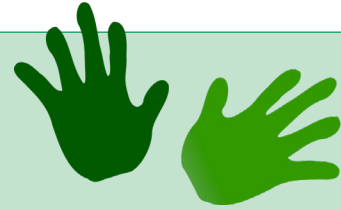
A Bit Stuck?

Smiley sums

Work in pairs

Things you will need:

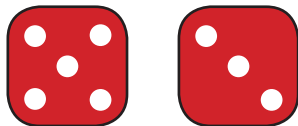
- Two dice with numbers 1 to 5 and a star on 6
- A pencil
- A pictogram to fill in



What to do:

- Roll the two dice. If you get a star, roll again.
- Put the larger number first.
- Count on the smaller number to add the two numbers.
- Look at the pictogram.
Find your answer in the bottom row.
- Draw a smiley face above the answer.
If there is already a smiley face there, draw another smiley face above the first one.

$5 + 3 = 8$



S-t-r-e-t-c-h:

Which total do you think will come up a lot?

Which total do you think won't come up a lot?

Learning outcomes:

- I can add 1, 2, 3, 4 and 5 by counting on.
- I can draw a simple pictogram.
- I am beginning to put the larger number first when adding.

A Bit Stuck? Smiley sums

Dice sums

1	2	3	4	5	6	7	8	9	10

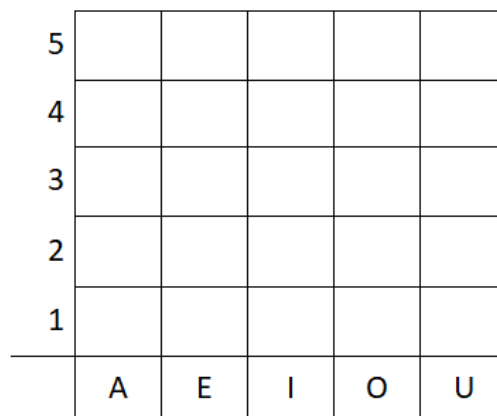
Totals

Check your understanding

Questions

Draw a block graph to show the numbers of vowels (A, E, I, O, U) in this sentence:

The quick brown fox easily jumped over the lazy dogs.



This pictogram was drawn to represent the number of different colours of Smarties in a big tube:

colour	number of Smarties
green	  
orange	   
pink	  
brown	    
red	  
blue	     
	 = 2 Smarties

- How many orange Smarties are there?
- How many blue Smarties are there?
- How many more brown than pink Smarties are there?
- What is the difference between the numbers of green and red Smarties?
- How many Smarties are in the tube?

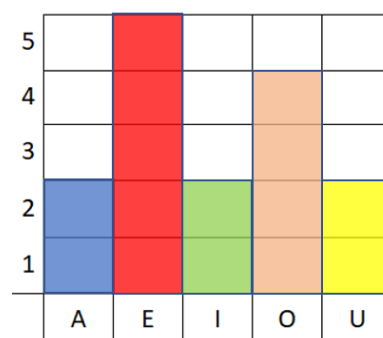
Answers on next page

Check your understanding

Answers

Draw a block graph to show the numbers of vowels (A, E, I, O, U) in this sentence:

The quick brown fox easily jumped over the lazy dogs.



A good way to get started with this is for children to draw up a tally chart to find the total number of each vowel; suggest this if they are stuck.

They should find the following: A = 2, E = 5, I = 2, O = 4, U = 2

This pictogram was drawn to represent the number of different colours of Smarties in a big tube:

colour	number of Smarties
green	
orange	
pink	
brown	
red	
blue	
	 = 2 Smarties

- a) How many orange Smarties are there? 8
- b) How many blue Smarties are there? 11
- c) How many more brown than pink Smarties are there? 5
- d) What is the difference between the numbers of green and red Smarties? 1
- e) How many Smarties are in the tube? 45

Answers of 4 and 5½ for a) and b) respectively suggest children have missed the information **that one circle represents 2 Smarties**.

An answer of 15 for c) suggests children have added the number of brown and pink Smarties rather than 'found the difference' which is more explicit in the wording of d).