Unit 7
Multiplication and division ❷

In this unit we will …

- Multiply a number up to 4 digits by a 1-digit or 2-digit number
- Divide a number up to 4 digits by a 1-digit number
- Interpret remainders
- Solve problems involving multiplication, division and remainders

We will need some maths words. Do you know what they all mean?

multiply | divide | add | subtract | place value | partition | equal | multiple | remainder | sum | total

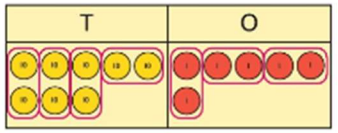
How can you use the grid method to work out 17 × 4?

	17	
	10	7
4	10 × 4 = 40	7 × 4 = 28

	T	O
	4	0
+	2	8
	6	8

We also need to be able to use the short division method.

		4	3	
	2	8	6	



Unit 8
Fractions 3

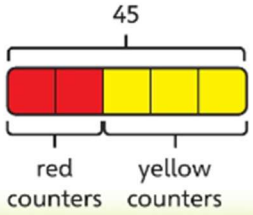
In this unit we will ...

- Multiply proper fractions and mixed numbers by whole numbers
- Find a fraction of an amount
- Understand how fractions can be operators
- Solve word problems involving fractions

We will need some maths words. Do you know what all of these words mean?

multiply | proper fraction | improper fraction | mixed number | whole(s) | equal parts | divide | fraction of an amount | operator | numerator | denominator | convert

How can you work out what each part is worth? How many yellow counters are there?



We will also need to represent fractions and mixed numbers using fraction strips. Use this model to work out $2\frac{1}{4} + 2\frac{2}{4}$.

Unit 9
Decimals and percentages

In this unit we will ...

- Read and write decimals up to three decimal places, including numbers greater than 1
- Round decimals to nearest whole number and to one decimal place
- Order and compare decimal numbers up to three decimal places
- Write percentages as fractions and as decimals

We will need some maths words. Do you know what they all mean?

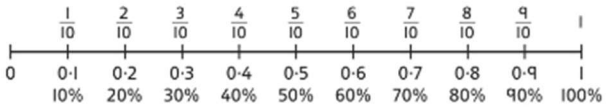
decimal **decimal place** **tenths**
hundredths **thousandths** **decimal point**
place value **digits** **fractions**
per cent (%) **percentage**

Do you remember what this is called? We use it to understand the place value of digits in a number.

How would you place 0·034 into the grid?

O	•	Tth	Hth	Thths
	•			

We need to use a number line too. Use it to help you show equivalent fractions, decimals and percentages.



Unit 10

Measure – perimeter and area

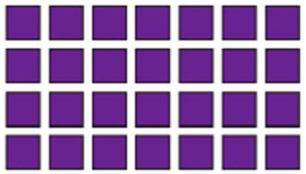
In this unit we will ...

- Measure shapes to find their perimeter
- Calculate the perimeter of polygons, squares, rectangles and other rectilinear shapes
- Use a formula to find the area of squares and rectangles

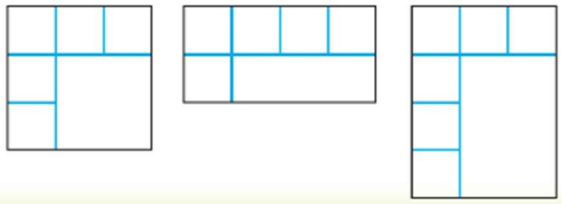
Here are some maths words we will be using. Which words are new?

perimeter | distance | area | length | width | polygon | centimetres (cm) | square centimetres (cm^2) | brackets | metres | square metres (m^2) | formula | compare | estimate | 2D shape

How many rows? How many in each row? How many altogether?



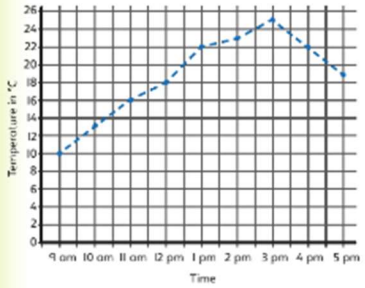
Which shape has the largest area? How do you know?



Unit 11
Graphs and tables

In this unit we will ...

- Draw simple line graphs
- Read information from tables
- Understand and create two-way tables
- Read information from line graphs
- Answer questions relating to the information in graphs and tables
- Read and understand simple timetables



You will be able to draw a line graph from data in a table. Can you see how this line graph has been drawn?

Time	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm
Temp (°C)	10	13	16	18	22	23	25	22	19

We will need some maths words.
How many of these can you remember?

graph | line graph | table
dual line graph | horizontal | vertical
two-way table | scale | axis/axes | vertical axis
horizontal axis | data | kilometres (km) | kilograms (kg)
plot/plotted | tallies/tally | timetable

You can think of the axes like number lines. What numbers are missing from this number line? What are the arrows pointing to?