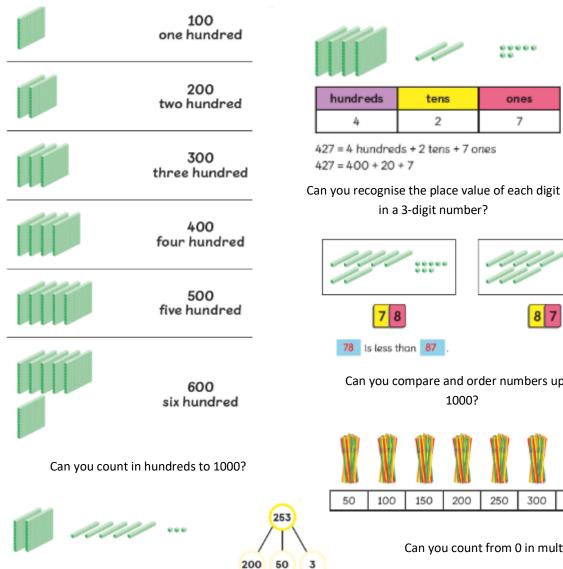
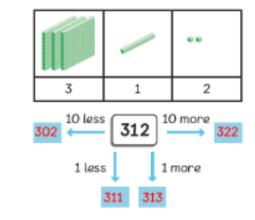
Year 3 Blue Knowledge Organiser: Numbers to 1000

..... ė ė

ones

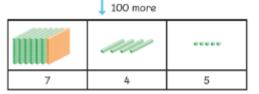
7





Can you find 10 more or less than a given number?

	////	5		
6	4			



Can you find 100 more or less than a given number?

Can you count in fours and eights?



Can you count in hundreds, tens and ones?

8 7

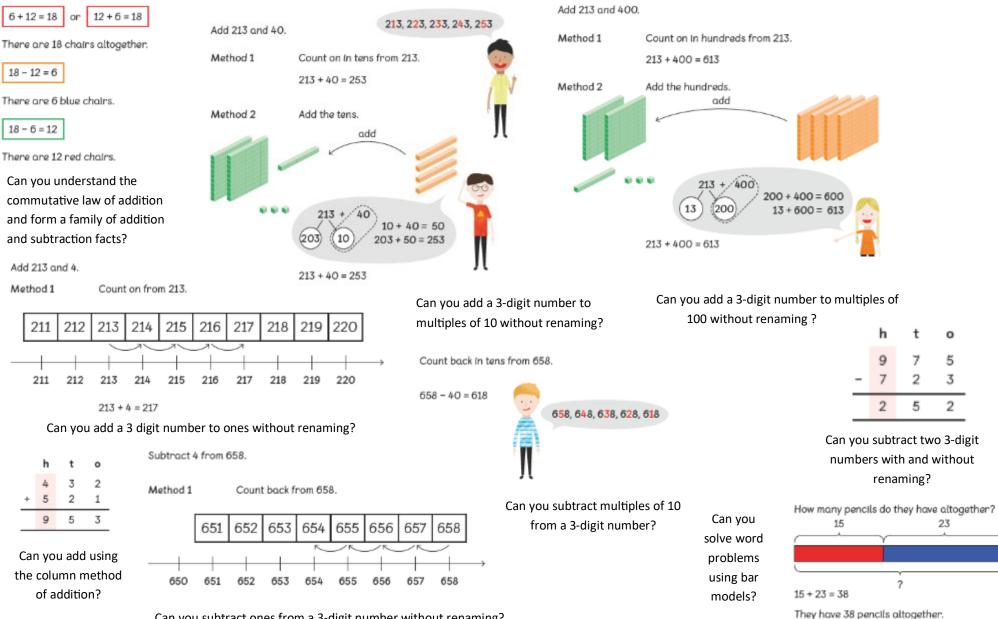
....

Can you compare and order numbers up to 1000?

	Ŵ	Ŵ						Ŵ
50	100	150	200	250	300	350	400	450

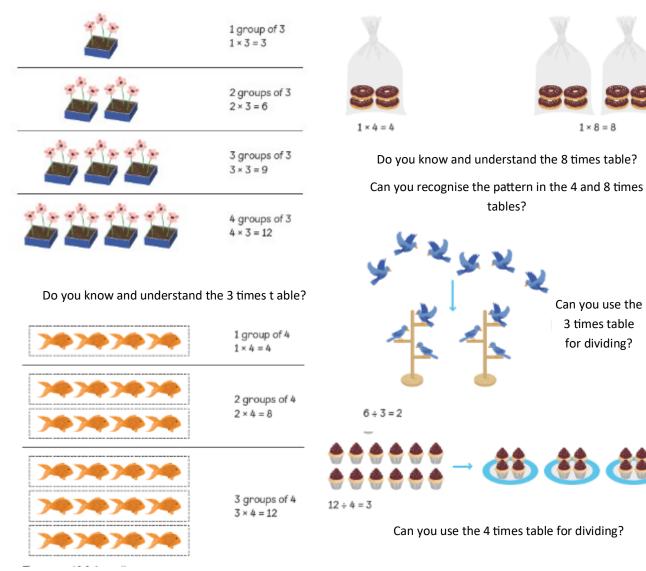
Can you count from 0 in multiples of 50?

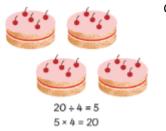
Year 3 Blue Knowledge Organiser: Addition & Subtraction



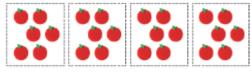
Can you subtract ones from a 3-digit number without renaming?

Year 3 Blue Knowledge Organiser: Multiplication & Division



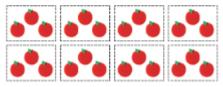


Can you understand the relationship between multiplication and division?

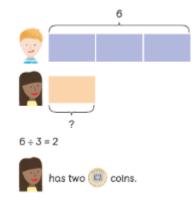


24 ÷ 4 = 6 Each group has 6 apples.

Put 24 apples Into 8 equal groups.



24 + 8 = 3 Each group has 3 apples. Can you divide by 4 and 8?



Can you solve problems involving multiplication and division?

Do you know and understand the 4 times t able?

Year 3 Blue Knowledge Organiser: Further Multiplication & Division

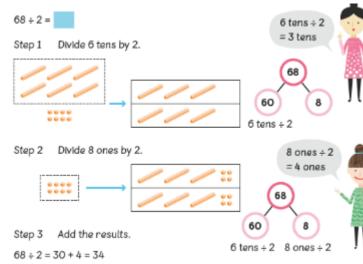
		0 2 4 8	-				+ × 1	22	0 3 8 4			68÷2 Step 1
	t	0				C	an yo	ou mul	tiply a	ı 2-digi	t	
	2	0				n	umbe	er by a	a 1-dig	it num	-	
×		4	_			be	er wi	th reg	roupir	ng usin	g	Step 2
	8	0					sho	t mul	tiplica	tion?		oup 2
	Can you multiply multiples of 10 by a 1-digit number?											Step 3 68 ÷ 2 = Can
_	t 2 ×	2	o 3 2		x	t 2	0 3 4					
			6 0			1	2					

9 2

Can you multiply a 2-digit number by a 1-digit number with and without regrouping using expanded multiplication?

6

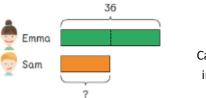
4



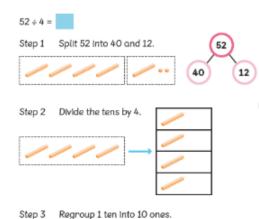
Can you divide a 2-digit number by a 1-digit number without regrouping?



Can you divide a 2-digit number by a 1-digit number using division by chunking?

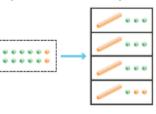


Can you solve word problems involving multiplication and division?





Step 4 Divide the ones by 4.

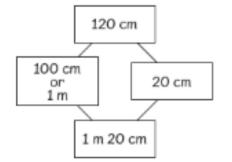


Step 5 Add the results.

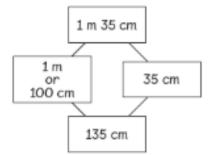
52 ÷ 4 = 10 + 3 = 13

Can you divide a 2-digit number by a 1-digit number with regrouping?

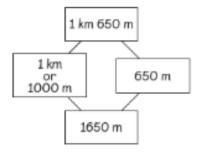
Year 3 Blue Knowledge Organiser: Length & Mass



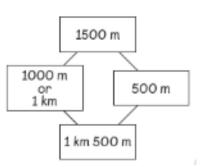
Can you read and write length and height in metres and centimetres?



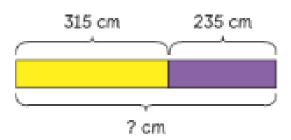
Can you read and write length and height in centimetres?



Can you read and write length in metres?

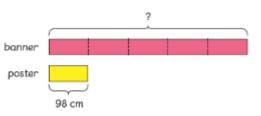


Can you read and write length in kilometres and metres?



315 + 235 = 550

Can you solve word problems involving addition and subtraction of lengths?



Can you solve word problems involving multiplication and division of lengths?

I ran 2 km 45 m.



Amira

Who ran a longer distance?

Ruby

Can I compare lengths?



The mass of the empty jar is about 475 g. What is the mass of the jelly beans?

Can you solve word problems involving addition and subtraction of mass?



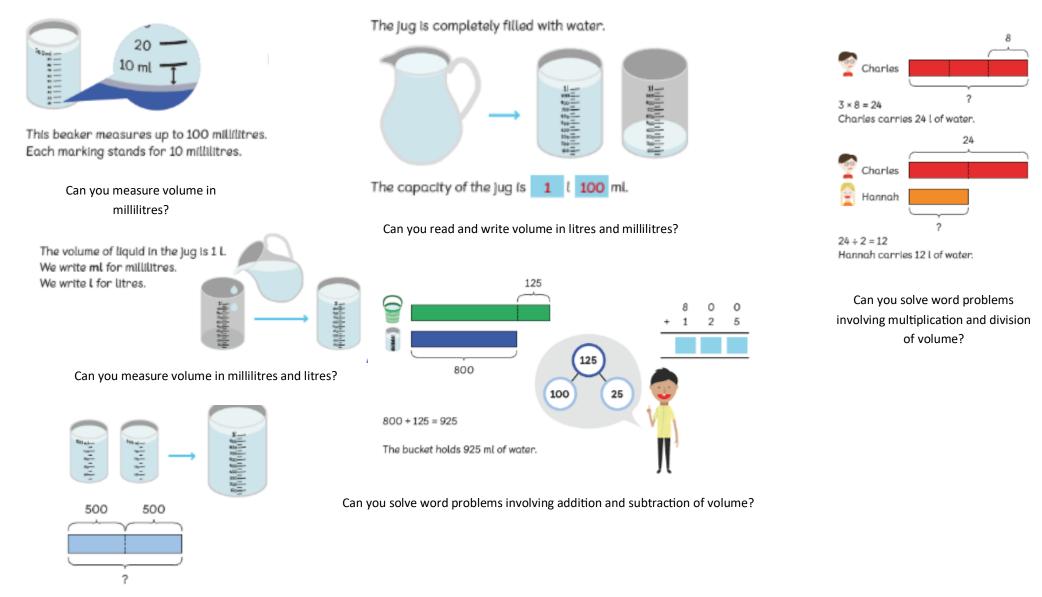
Can you solve word problems involving multiplication and division of mass?





Can you read weighing scales to determine mass in grams or kilograms?

Year 3 Blue Knowledge Organiser: Volume



Can you add and subtract volume?

Year 3 Blue Knowledge Organiser: Money



Can I add money by counting on?



Can I add pence to make one pound?

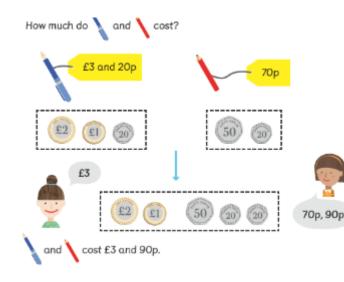
This is one way to pay £2 and 80p.



This is another way to pay £2 and 80p.

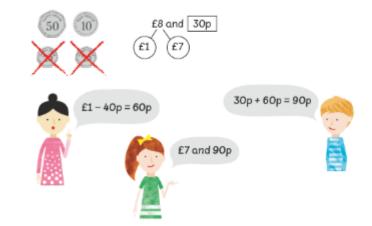


Can you add different combinations of coins to make an amount?



Can you add pounds and pence with and without renaming?

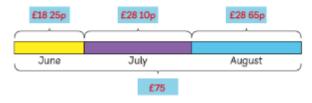
What is 40p less than £8 and 30p?



40p less than £8 and 30p is £7 and 90p.

Can you subtract pounds and pence with and without renaming?

Hannah saved a total of £75 in June, July and August. She saved £18 and 25p in June and £28 and 65p in August. How much did she save in July?



Can you use knowledge of money to solve problems?

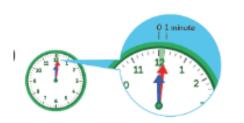


10:20 a.m.



7:10 p.m.

Can you tell the time using AM and PM?

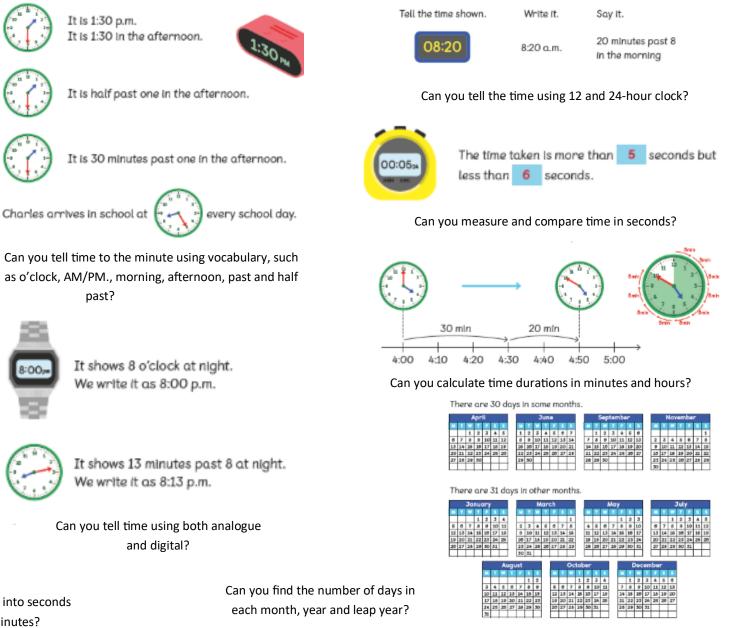


Can you tell the time to the nearest minute?

1 min = 60 s

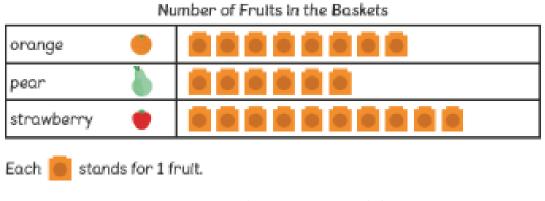
Can you convert minutes into seconds and seconds into minutes?



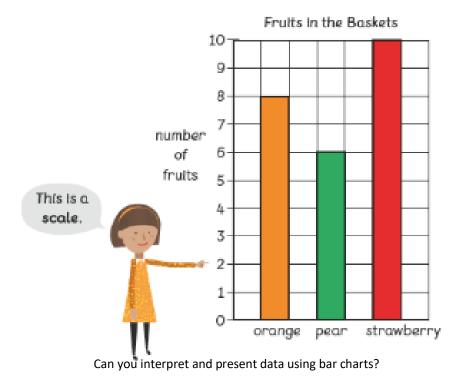


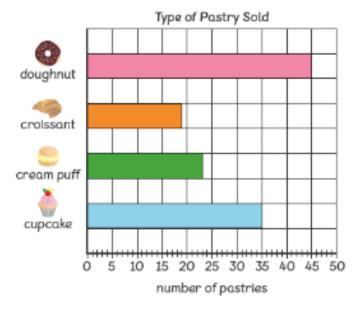
In February, there are 28 days or 29 days.

Year 3 Blue Knowledge Organiser: Picture Graphs & Bar Graphs



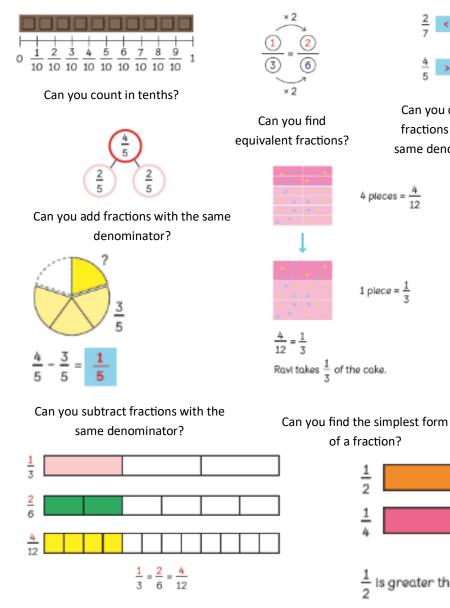
Can you present data using picture graphs?





Can you interpret and present data using scaled bar charts?

Year 3 Blue Knowledge Organiser: Fractions



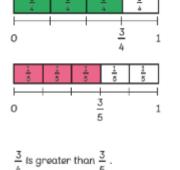
 $\frac{2}{7} < \frac{5}{7}$ $\frac{4}{5}$ > $\frac{3}{5}$ Can you compare fractions with the same denominator?

 $4 \text{ pleces} = \frac{4}{12}$

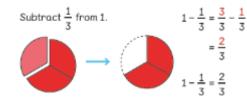
1 piece = $\frac{1}{3}$

of a fraction?

2



Can you compare fractions with different denominators?



Can you subtract a fraction from 1 whole?

 $\frac{1}{2}$ is greater than $\frac{1}{4}$



 $\frac{1}{2}$ of 6 = 6 ÷ 2 Can you find the fraction of a number and relate fractions $\frac{1}{2}$ of 6 is equal to 3. to division?

Elliott spent $\frac{1}{3}$ of the month drawing.

After that, he spent the rest of the month painting his drawing.

He took 30 days to complete the drawing and painting.

How many days is $\frac{1}{3}$ of 30 days?

Can you solve word problems involving fractions?

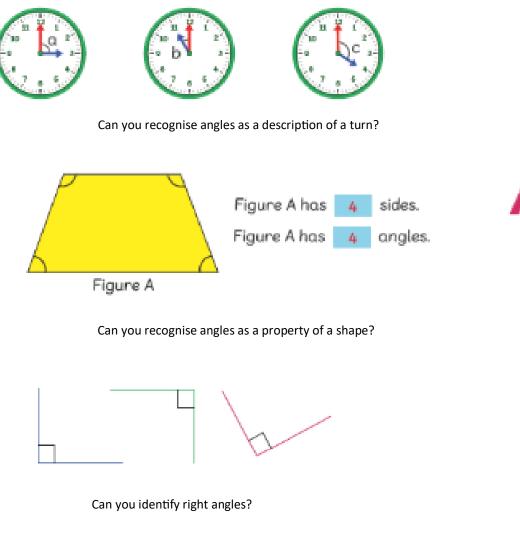


Can you recognise, find and write fractions of a discrete set of objects?

Can you recognise and show equivalent fractions?

Year 3 Blue Knowledge Organiser: Angles

The hour and minute hands make different angles at different times.





Angles a, b and c are less than a right angle.

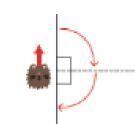
We call these acute angles.

Can you identify an acute angle as a smaller angle than a right angle?



These are larger than a right angle. We call them obtuse angles.

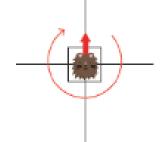
Can you identify an obtuse angles as a greater angle than a right angle?





This is a half turn.

This is three-quarters of a turn.



Can you identify right angles and recognise that two right angles make a half-turn, three make three-quarters of a turn and four a complete turn?

This is a full turn.

Year 3 Blue Knowledge Organiser: Lines & Shapes

Find two lines that meet at right angles.



Two straight lines that meet at a right angle are called perpendicular lines.

Can you identify perpendicular lines?



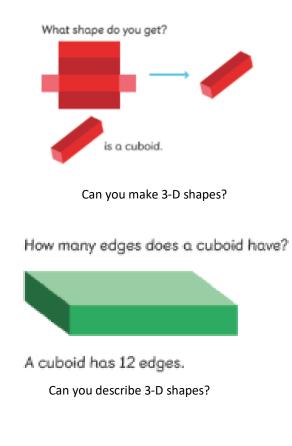
AB and CD do not meet at a point. They do not make an angle. They are parallel lines. Parallel lines do not meet, no matter how long they are drawn.

They are What can you say about line AD and line BC? vertical lines. Vertical lines are perpendicular to the floor. Vertical lines are parallel to each other. What can you say about line AB and line DC? They are horizontal lines. Horizontal lines are parallel to the floor: Can you identify horizontal and vertical lines? 0 There are 4 angles. Let's use letters to name angles. Are angles c and d acute Angles a and b are or obtuse? Are they right angles. smaller than or larger than a right angle? I can check using a right-angle tester. How many vertices

does the shape have?

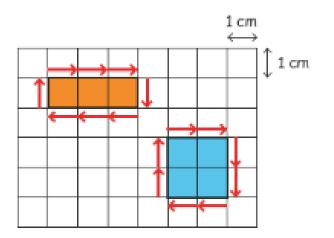
Can you describe a 2-D shape using angle and side properties?

Can you draw 2-D shapes?



Can you identify parallel lines?

Year 3 Blue Knowledge Organiser: Perimeter of Figures

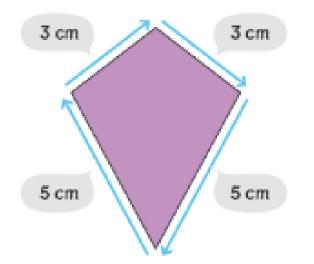


Can you measure the perimeter of 2-D shapes?

A rectangular carpet is used to cover the floor of the room. The carpet has a length of 19 m and a width of 8 m. What is the perimeter of the carpet?



Can you solve problems on perimeter?



Perimeter = 5 cm + 3 cm + 3 cm + 5 cm= 16 cm