



School Telephone:

01223 359568

Fmail:

office@arbury.cambs.sch.uk

Home Learning Ideas, July 2020 Year 2

Name:	

In this pack are lots of different ideas for things you can work on at home. Have a go and see how you get on!

Remember that if you have internet access, there are lots of things on eSchools for you to do. If you log into your eSchools page, you can send messages, or look at the projects and groups. You can also play games on Education City, practise your times tables facts on TT Rockstars and take guizzes

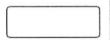
on Accelerated Reader.



Section 1

There are 16 cars in a car park.

 $\frac{1}{4}$ of them are white. How many are not white?



Section 2

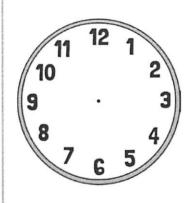
Put these numbers in order, smallest to largest:

82 28 18 48 89

Section 4

Draw the hands on the clock to show this time:

Quarter past 7



Section 5

What 2D shape is at the ends of a cylinder?

.....

Section 6

I have a pound coin.

I buy a lolly for 25p.

How much change will I be given?

Which coins could I be given in change?

Section 3

This table shows the number of girls and boys who have pets, in Class 2A. Show the numbers as a tally.

Pet	Girls	Tally	Boys	Tally
Dog	13		10	
Cat	5		7	
Rabbit	2		1	

Section 7

Fill in the missing numbers:

4 x 2 = 10 -

15 ÷ 3 = 15 -

Section 8

What 2 shapes will come next in the pattern?



Year 2 Maths Activity Mat

Section 1

Gina and Milly equally shared out a bagful of cherries. There was one left over. Both girls had 12 cherries.

How many cherries would have been in the bag?



Section 2

Fill in the missing boxes:

Section 3

Complete these statements:

$$\frac{1}{2}$$
 of 20 is

$$\frac{1}{4}$$
 of 20 is

$$\frac{3}{4}$$
 of 20 is

Section 4

How many 10ps would you need to make £2?



Section 5

Which times table are these numbers from?

5 20 15 35 40



55

Section 7

Addition Pyramid

Tip: The bottom numbers add together to make the top number.

	27	
12		

Section 8

How many minutes are there in 2 hours?

How many minutes are there in $1\frac{1}{2}$ hours?

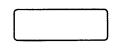
Show your working out.

If I count 12 pairs of socks, how many socks are there altogether?



Section 1

There are 4 bridesmaids at a wedding. Each bridesmaid needs 5 roses in their bouquet. How many roses will there be altogether?



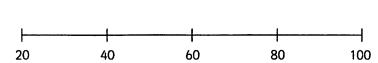
Section 2

If A equals 10, what is B?

$$5 + A = B$$

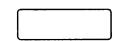
Section 3

Put these numbers on the number line:



Section 4

There are 16 cups on a shelf. Half of them are pink. How many of them are not pink?

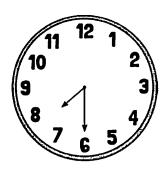


Section 6

Jane has 20 beads. She gives half of them to Naz. Then she gives 8 to Meg. How many beads does she have left?

Section 7

Dan will go to bed at 9.30. How long is it until his bedtime?



Section 8

Put the correct sign in: $x + \div$

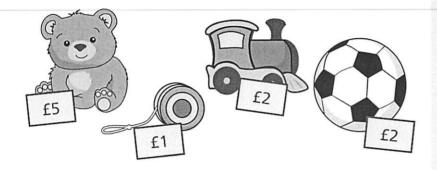
Can you show 2 different ways to make 28p?



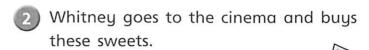
Find the total



1 Annie wants to buy some new toys.



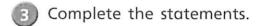
- a) How much does it cost to buy the teddy and the yoyo?
- b) How much does it cost to buy the toy train and the football?
- c) How much does it cost to buy one of everything?
- d) Annie has £9Circle three items she could buy.Compare answers with a partner.





51p

How much money does Whitney spend altogether?



a)
$$f3 + 42p = f$$
 and p

d) f and
$$53p = 50p + 3p + f18$$

e)
$$f10 + p + 50p = f10$$
 and $f0p$

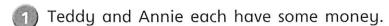
Complete the bar models. a) 60p 28p b) £21 £59 c) £4 47p 23p Ron has this money in his hand. He has 29p in his pocket. How much money does Ron have altogether?

sl	nopping. GHOCOLATE £1 £3 £2
а	Dexter buys a comic book and a
	chocolate bar.
	How much does Dexter spend?
b	Tommy buys a bottle of water, a lollipop and an apple. How much does Tommy spend?
c)	Alex buys 2 lollipops and a box of crayons.
	How much does Alex spend?
	f and p
d) Rosie spends £3 and 80p
	What items could Rosie have bought?
	Compare answers with a partner.



Find the difference





a) Teddy has this money.



How much money does Teddy have?



b) Annie has this money.















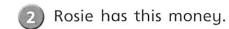
How much money does Annie have?



c) How much more money does Annie have than Teddy?



How did you work this out?

















She wants to buy this packet of sweets.



How much more money does Rosie need?



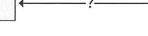
Work out the difference between the cost of a bottle of water and a lollipop.



58p



23p





Dora and Mo each have some money. I have two £10 notes and three £1 coins. I have one £20 Dora note, one £5 note and two £2 coins. Who has more money? _____ How much more money do they have? Jack has been to the cinema and bowling. Ticket Admit One £4 and 19p £4 and 55p How much more did Jack spend to go to the cinema than to go bowling?

Nij	her has £3 and 67p. ah has £3 and 15p. ett has £8 and 67p.
	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
a)	Who has the most money?
b)	How much more money does Esther have
	than Nijah?
c)	How much more money does Brett have
	than Esther?
То	m and Whitney each have £5 and 84p.
a)	Tom spends some money.
	Now he has £5 and 7p.
	How much did Tom spend?
	·
b)	Whitney also spends some money.
	Now she has £5 and 23p.
	How much more did Tom spend than
	Nij Bre a) b) c)

Two-step problems



Annie has £15

Her mum gives her another £12

a) How much money does Annie have now?

Complete the bar model and the number sentence.

£	
£15	£12
+	=

b) Annie buys this teddy.



How much money does she have now? Complete the bar model and the number sentence.

	£		
£17		£	
-		=	
-		=	

- 2 Tommy has 35p in one hand and 27p in the other hand.
 - a) How much money does Tommy have altogether?



Tommy buys this box of crayons.



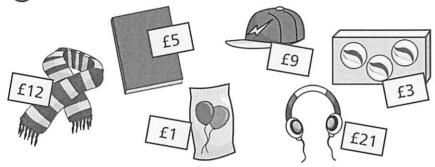
- b) How much money does he have now?

- Aisha has a £20 note.
 - a) Aisha spends £7 on a cinema ticket. How much change does she get?



b) Aisha's mum gives her another £3 How much money does Aisha have now? c) Teddy buys a cap and a packet of balloons.He pays with a £10 note.How much change does he get?

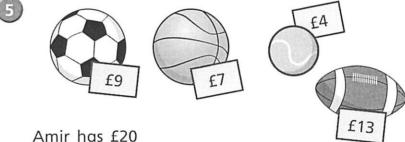
A shop sells these items.



a) Ron buys a scarf and a box of marbles.He pays with a £20 note.How much change does he get?



b) Kim buys a book and a pair of headphones.She pays with a £50 note.How much change does she get?



He wants to buy 2 balls.
Which balls can he buy?

How much change will he get?



Is there more than one answer?







Complete the sentences to describe the shapes.



sides. A pentagon has



sides. A triangle has



has 4

sides.

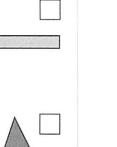


has ď

sides.

Tick the 4-sided shapes.



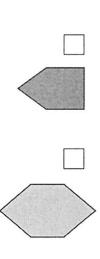




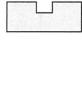


Did your partner tick the same shapes?

Tick the 6-sided shapes.





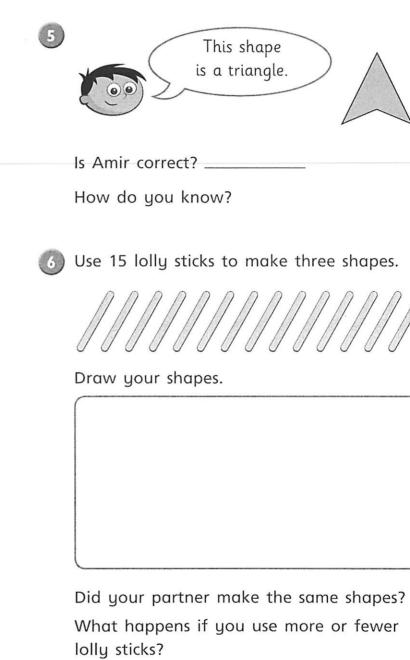




Compare answers with a partner.

Complete the table.

Name	Shape	Number of sides
		3
pentagon		
		6
square		
		8







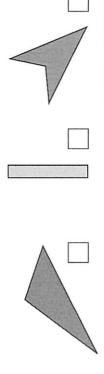
Complete the sentences to describe

the shapes.

a



Tick the shapes with 4 vertices.









vertices.

A pentagon has

(q



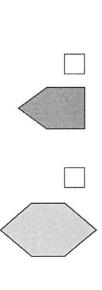
Compare answers with a partner.



vertices.

A triangle has

Û





vertices.

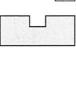
has

4

o





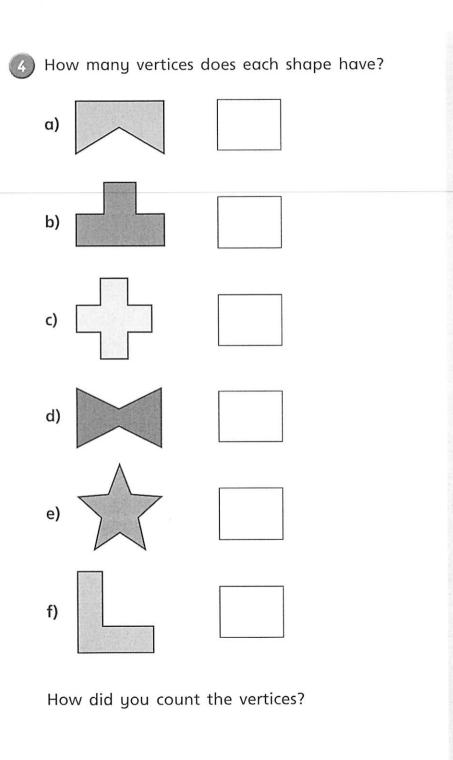


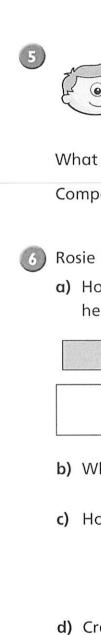
Talk to a partner about your answers.

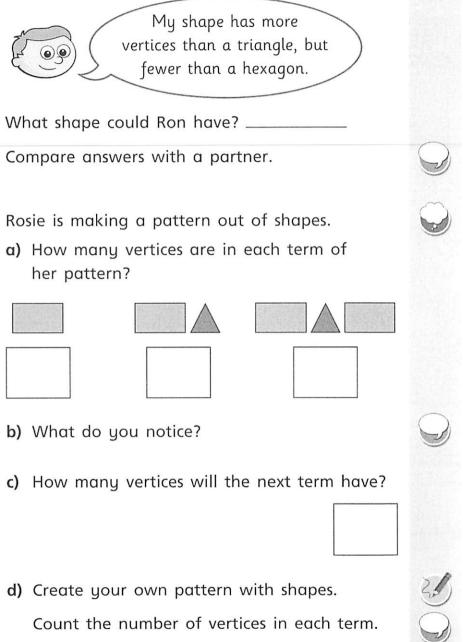
vertices.

has

⋖







Count faces on 3D shapes

Number of faces

Name

Shape

Complete the table.

White Rose Maths

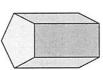
Match the shapes to the faces.

1

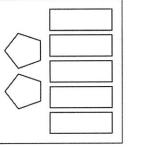


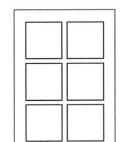


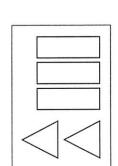


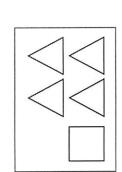














My shape has one curved surface.

What shape is Jack describing?



1 circular face and1 curved surface



2 circular faces and1 curved surface



4 triangular faces



A cube is the only 3D shape with 6 faces.

Alex has made a mistake.

Name another 3D shape that has 6 faces.



Dexter has 5 of the same 3D shapes.

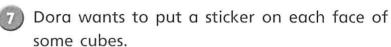




In total, my shapes have 10 circular faces.

What shapes has Dexter got?

Dexter has got 5 _____





How many cubes can she cover in stickers?

Dora can cover



cubes in stickers.



How many edges does each shape have?

ā





Shane	Name	Number	Number Number
200		of edges	of faces

edges

edges

9

edges

Û

3D shapes always have more edges than faces.

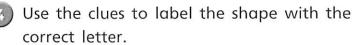
Do you agree? __

edges

o

Why?

correct letter.











- Shape A has an odd number of edges.
- Shape B has the most edges.
- Shape C has the same number of edges as a cube has faces.
- The edges of shape D are all the same length.
- Write the name of two 3D shapes that have the same number of edges.

and		
	and	





A cube has 6 faces and 12 edges, so a square-based pyramid must have 5 faces and 10 edges. The number of edges is always double the number of faces.

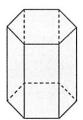




Do you agree with Teddy? Why?

This hexagonal prism has 18 edges.





How many edges do you think a pentagonal prism has?

Why do you think this?









Count vertices on 3D shapes



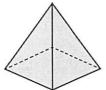
How many vertices does each shape have?

a)



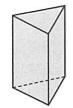
vertices

b)



vertices

c)



vertices

d)

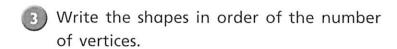


vertices

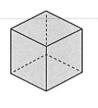
2 Complete the table.

Shape	Name	Number of vertices

Write the name of a different 3D shape with no vertices.



Start with the shape that has the fewest vertices.









Α

fewest

ě

C

most

D

Complete the sentences.

more

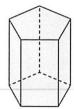
fewer

- a) A cube has _____ vertices than a sphere.
- b) A sphere has ______ vertices than a cone.
- c) A triangular prism has ______vertices than a cuboid.

Match each shape to the correct label.



< 5 vertices



= 5 vertices





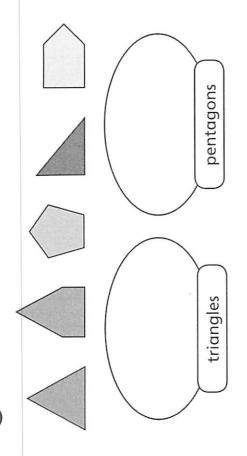
> 5 vertices



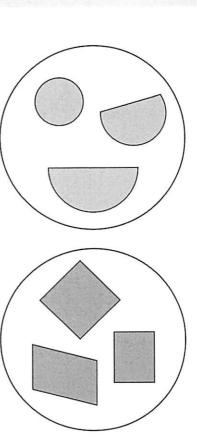




Draw lines to sort the shapes into groups.

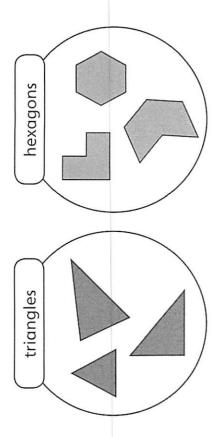


2 How have the shapes been sorted?



3 Eva sorts some shapes.

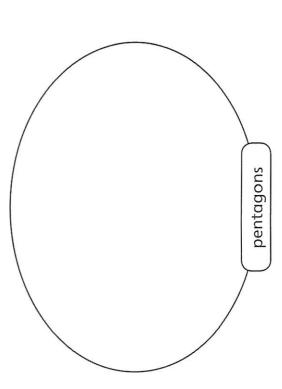
White Rose Maths

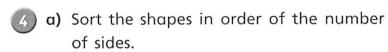


a) Is Eva correct? _____

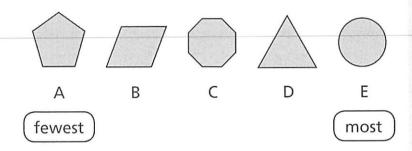
How do you know?

b) Draw a group of three different pentagons.



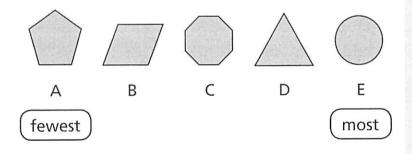


Start with the shape that has the fewest sides.



b) Sort the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.



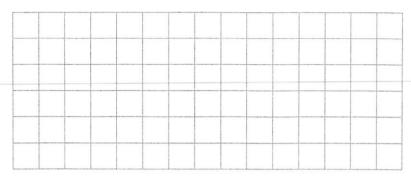
c) What do you notice about your answers to part a) and part b)?



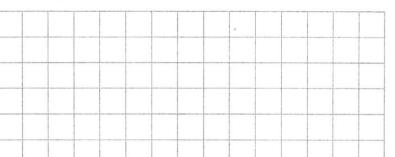


31

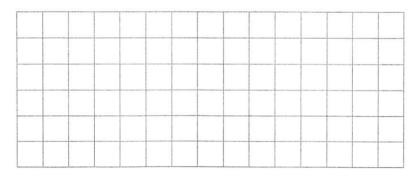
shapes with 4 sides



shapes with an odd number of vertices



shapes with an even number of sides

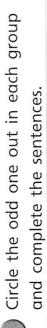


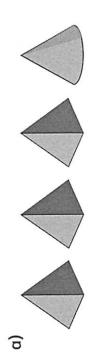




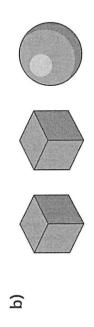


Circle the odd one out in each group



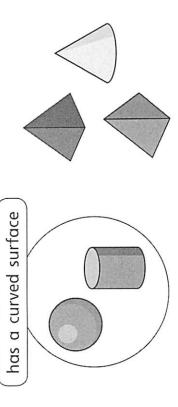


The odd one out is a

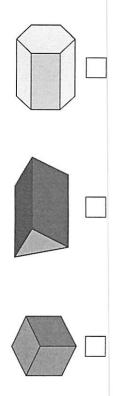


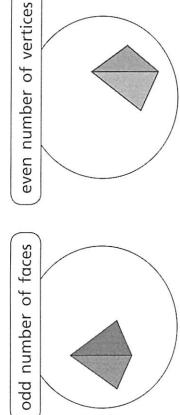
The odd one out is a

2 Tick the shape that could go in the group.

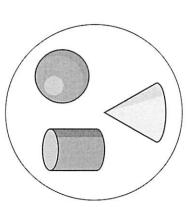


Tick the shape that could go in both groups.

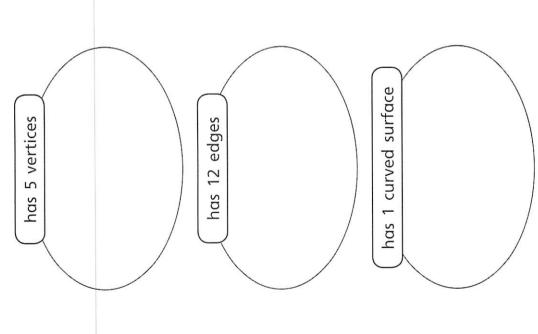




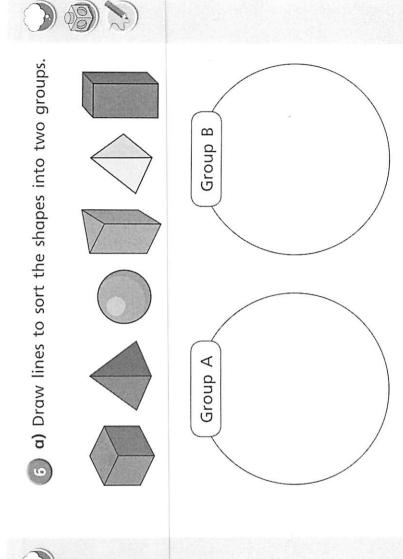
4 How have the shapes been grouped?



S Write the name of a 3D shape that could go in each group.



Can you think of any other shapes to go in each group?



b) Give each of your groups a label.

Group A:

Group B:

Compare answers with a partner.

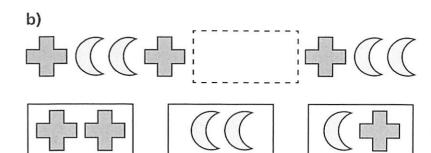
Make patterns with 2D shapes



Draw the next two shapes in each pattern.







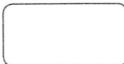
a)











b)



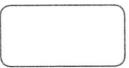












Tick the shapes that fit in each pattern.

a)















My pattern goes: circle, triangle, square, then it repeats.

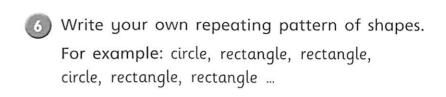
a) Draw the first 9 shapes in Rosie's pattern.



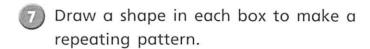
- b) What is the name of the 10th shape in the pattern?
- c) What is the name of the shape to the right of the 5th shape?



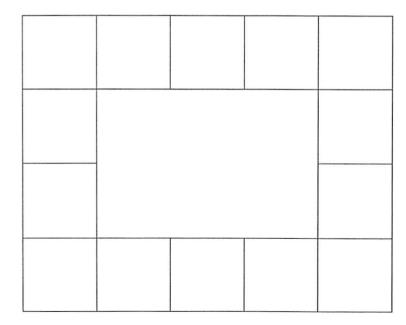
a	Mo makes a pattern using 4 rectangles,	C
	4 triangles and 4 circles.	•
	What could Mo's pattern be?	
	Draw two different possibilities.	3.5
5	Draw the 10th shape for each pattern.	21
	α)	
	b)	



Swap with a partner and draw each other's patterns.



You may want to practise on a whiteboard.



Make patterns with 3D shapes



Draw the next shape in each pattern.













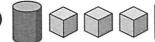




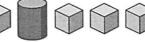












































What is the name of the 3rd shape in the pattern?













Here is a pattern made with 3D shapes.

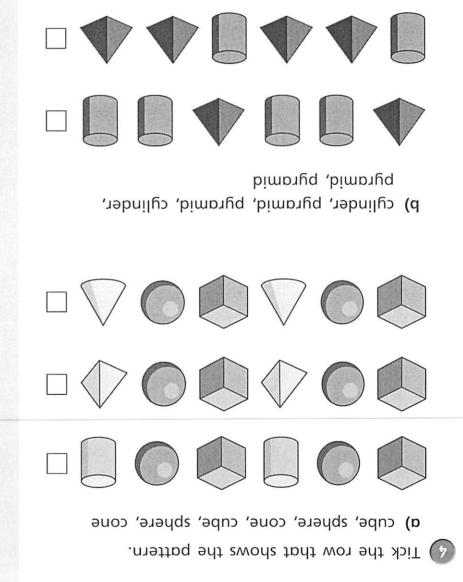


a) Write the name of the 4th shape in the pattern.

b) What would the 13th shape in the pattern be?



c) Compare answers with a partner.





Times Table Hunt: 2x, 3x, 5x and 10x Table

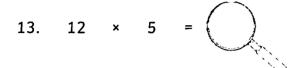
Detective Dog is on the hunt for some missing numbers from the 2x, 3x, 5x and 10x tables. Can you help him find them?





Times Table Hunt: 2x, 3x, 5x and 10x Table

Detective Dog is on the hunt for some missing numbers from the 2x, 3x, 5x and 10x tables. Can you help him find them?





Emoji Multiplication Mosaic

Multiplication $2\times$, $5\times$, and $10\times$ tables

Solve the maths problems to reveal the hidden picture. Each answer has a special colour.

16, 18, 45, 70 = yellow

4, 10, 35, 60 = black

14, 20, 30, 40 = white

15, 22, 50, 100 = pink

1 × 4	2 × 2	8 × 2	9 × 2	5 × 9	10 × 7	2 × 8	6 × 10	12 × 5
7 × 5	2 × 9	2 × 9	7 × 10	8 × 2	9 × 5	8 × 2	9 × 2	10 × 1
2 × 8	2 × 7	2 × 10	4 × 5	2 × 9	7 × 2	5 × 4	10 × 4	5 × 9
10 × 7	6 × 5	4 × 1	4 × 10	7 × 10	4 × 5	2 × 5	3 × 10	8 × 2
9 × 2	10 × 3	5 × 8	5 × 6	8 × 2	2 × 7	10 × 2	8 × 5	10 × 7
5 × 3	11 × 2	2 × 8	5 × 9	10 × 7	5 × 9	2 × 8	5 × 3	5 × 10
10 × 5	10 × 10	5 × 9	7 × 10	9 × 5	8 × 2	10 × 7	2 × 11	11 × 2
10 × 7	9 × 5	5 × 9	5 × 2	5 × 12	10 × 6	8 × 2	5 × 9	10 × 7
5 × 2	7 × 10	2 × 9	5 × 9	2 × 8	10 × 7	10 × 7	5 × 9	1 × 4
7 × 5	12 × 5	10 × 7	2 × 8	5 × 9	8 × 2	9 × 2	1 × 10	6 × 10

Emoji Multiplication Mosaic

Multiplication 2x, 5x and 10x tables.

Solve the maths problems to reveal the hidden picture. Each answer has a special colour:

2, 4, 6, 8, 40, 100, 110 = yellow 10, 12, 14, 30 = black 22, 24, 70 = blue

5, 15, 25, 35, 60, 80, 90 = white

16, 18, 20, 120 = red

5 x 1	3 x 5	5 x 5	2 x 1	2 x 2	2 x 3	2 x 4	5 x 7	12 x 5	10 x 6
10 x 8	5 x 8	10 x 4	10 x 10	10 x 11	50 x 2	2 x 1	8 x 5	4 x 2	9 x 10
2 × 2	11 x 10	4 x 2	4 x 10	2 x 50	1 x 2	2 x 2	2 x 4	2 x 3	10 x 11
10 x 10	2 x 5	6 x 2	7 x 2	5 x 8	50 x 2	6 x 5	10 x 3	10 x 1	10 x 10
8 x 2	2 x 9	8 x 5	1 x 2	4 x 2	2 x 3	10 x 11	2 x 3	11 x 2	10 x 2
4 x 5	12 x 10	2 x 50	3 x 2	2 x 4	5 x 8	10 x 10	4 x 10	12 x 2	2 x 9
2 x 1	2 x 3	1 x 5	5 x 3	7 x 5	5 x 12	6 x 10	8 x 10	7 x 10	10 x 10
10 x 11	4 x 10	50 x 2	10 x 9	5 x 1	5 x 5	3 x 5	8 x 5	1 x 2	4 × 10
12 x 5	10 x 10	10 x 4	2 x 50	5 x 7	10 x 6	2 x 3	10 x 11	2 x 3	3 x 5
10 × 6	10 x 8	5 × 3	2 x 3	1 x 2	8 x 5	50 x 2	5 x 7	10 x 6	5 x 12

Lilly and the Tooth Fairy

Tomorrow was the school trip to the chocolate factory and Lilly was trying to get to sleep. Her tooth was wobbly and she really wanted it to fall out. If it did, the tooth fairy could leave her some money to buy a Choccy-Choc-Choc bar!

But the tooth would not come out! Lilly tried to forget about it and fall asleep.

"Lilly..."

Lilly thought she heard someone, so she opened her eyes.

"Hello, Lilly," said a glowing little creature.

"Oh-my-goodness!" Lilly shrieked.

"I didn't mean to scare you," the little creature said. "My name is Pixie-Dust and I am here for your tooth."

The little creature looked like a tiny princess. She had small wings, a wand and she was wearing a twinkly green dress.

"I am sorry," Lilly said, "but my tooth hasn't come out!" As she was talking, her tongue rolled across her wobbly tooth... but it wasn't there! Lilly felt her pillow. There was something small and hard! "My tooth!" she squealed. "It did come out!"

Pixie-Dust flew over and took the tooth. "Thank you," she said. Then she waved her little wand.







Lilly and the Tooth Fairy

When Lilly woke up, she felt her wobbly tooth. It was missing! She remembered a funny dream about a little tooth fairy. "How strange," she said with a yawn. Then she felt something hard under her pillow.

It was a coin!

Lilly quickly got dressed. She couldn't wait for the school trip to the chocolate factory. Now she could buy a Choccy-Choc-Choc bar!

"Thank you," Lilly whispered, and somewhere in a far-off land, a little fairy smiled.





Questions

1.	Where was Lilly going on the school trip? Tic	k one.	
	chocolate shop		
	chocolate factory		
	C Fairy-land		
2.	Who was the glowing little creature?		
3.	Why was Lilly sorry?		
4.	Match the characters to the actions they did	in the	story.
	Lilly		spoke nice and politely.
	Pixie-Dust		felt her pillow.
	Lilly and Pixie Dust		waved her wand.
5.	Number the events below to show the order is story. Lilly finds a coin.	n whic	h they happen in the
	Lilly tries to fall asleep.		
	Lilly remembers a funny dream.		
	Pixie-Dust waves her wand.		
	- this bust waves itel walla.		

The Camping Trip

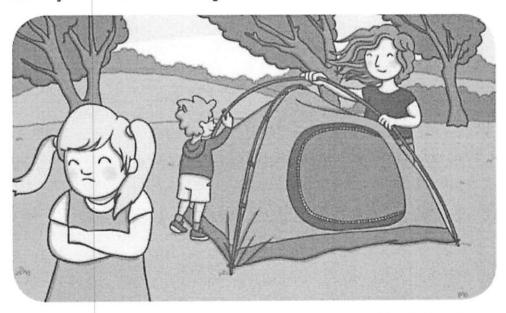
"Well, this is going to be an adventure!" said Mum, starting the car.

"I can't wait to live outside, climb trees and explore!" shouted Sam from the back seat.

"Being cold and getting dirty doesn't sound fun to me," sulked Vashti.

Mum, Sam and Vashti were going on their first ever camping trip.

When they arrived at the campsite, Sam and Mum started putting up the tent. The ropes kept getting twisted and the wind got stronger. Mum turned around to ask Vashti to help and... the top sheet of the tent blew away!



Mum sighed and asked Sam and Vashti to go and look for the top sheet.

"I think it blew over there," said Vashti, pointing into the woods



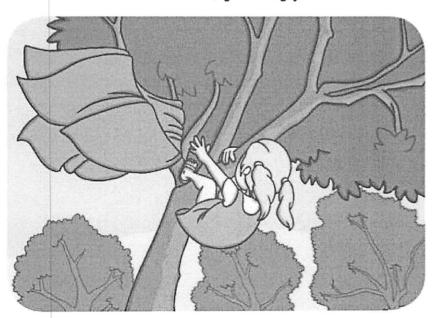


The Camping Trip

next to the campsite. It was a sunny day but it was dark and spooky in the woods. They crept in...

Soon, the ground was very muddy. They pushed through branches and brambles. Sam wanted to go back but Vashti said they had to keep going. Then, they saw something high up in a tree. It was the top sheet!

Without thinking, Vashti bravely rolled up her sleeves and started to climb towards the top. Finally, she reached the top sheet! She grabbed it and clambered down, grinning from ear to ear.



Vashti and Sam followed their muddy footprints back to the campsite. Mum beamed with pride when she saw them.

She was surprised to hear Vashti say, "I walked through mud and climbed a tree. Please can we do it again tomorrow?"

"I'm dirty and cold and I want to go home," whispered Sam.



visit twinkLcom

The Camping Trip

Mum gave Sam a cuddle and showed them the roaring fire that she had made. As it got dark, Vashti and Sam got warm by the fire and toasted marshmallows. As mum tucked them into their sleeping bags, Vashti thought that maybe camping was a bit fun after all.

"Well this has been an adventure already," said Mum. "Just not the one we were expecting!"



vinit twinkt.com



Questions

- 1. Where do Vashti and Sam go to look for the top sheet? Tick one.
- O to the campsite
- O into the woods
- O to the seaside
- 2. Number these events to show the order that they happened in the story. The first one has been done for you.

	The top sheet of the tent blows away.
	Vashti and Sam get warm by the fire.
1	Mum, Sam and Vashti get to the campsite.
	Vashti and Sam go to look for the top sheet.

3. Draw lines to match these sentences to the character they describe at the **beginning** of the story.

Mum
Vashti
Sam

can't wait to
live outside and
climb trees.

thinks camping
will be an
adventure.

thinks being
cold and dirty
is not fun.

Questions

How do	es Vashti feel about	camping by t	he end of the story	?