



Maths Sessions

Week beginning 8th February



Welcome to this weeks Maths!

When tasks are completed, please use PurpleMash to email these to the appropriate teacher for marking and feedback.

Children - we are so proud of all the hard work you have been doing at home and have loved seeing it all be sent to us, well done!

Grown ups - well done for making it to the end of the term, you have been superstars and we are so proud of you too!

Monday 8th February

Can I sort 3D shapes?

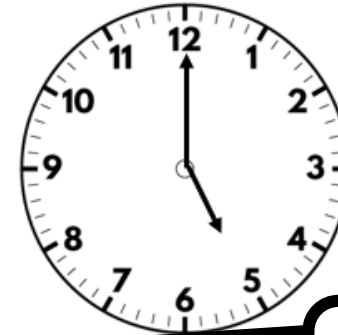
First, let's warm up by practising these questions.
Remember to make jottings (do drawings) if you need to).

Flashback 4

Year 2 | Week 3 | Day 1

- 1) Complete the sequence.

5, 10, 15, __, __



20

- 2) What is $20 \div 10$?

Try using this bar model to help you.

- 3) Tom has 5 bags of sweets.
There are 2 sweets in each bag.
How many sweets are there altogether?

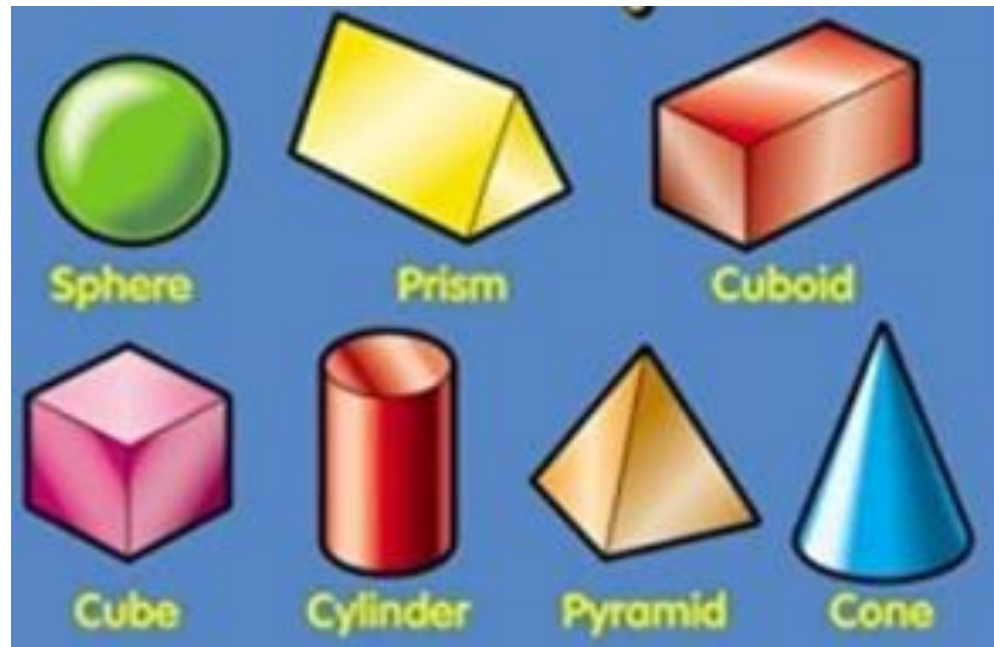
Drawing it might help.

- 4) Find the sum of 4, 5 and 6

Today we are going to look at ways that we can sort 3D shapes.

Before you have a go at the sheet, I'd like you to have a go at this activity first.

Have a look around your house and see if you can find any objects that are these shapes:



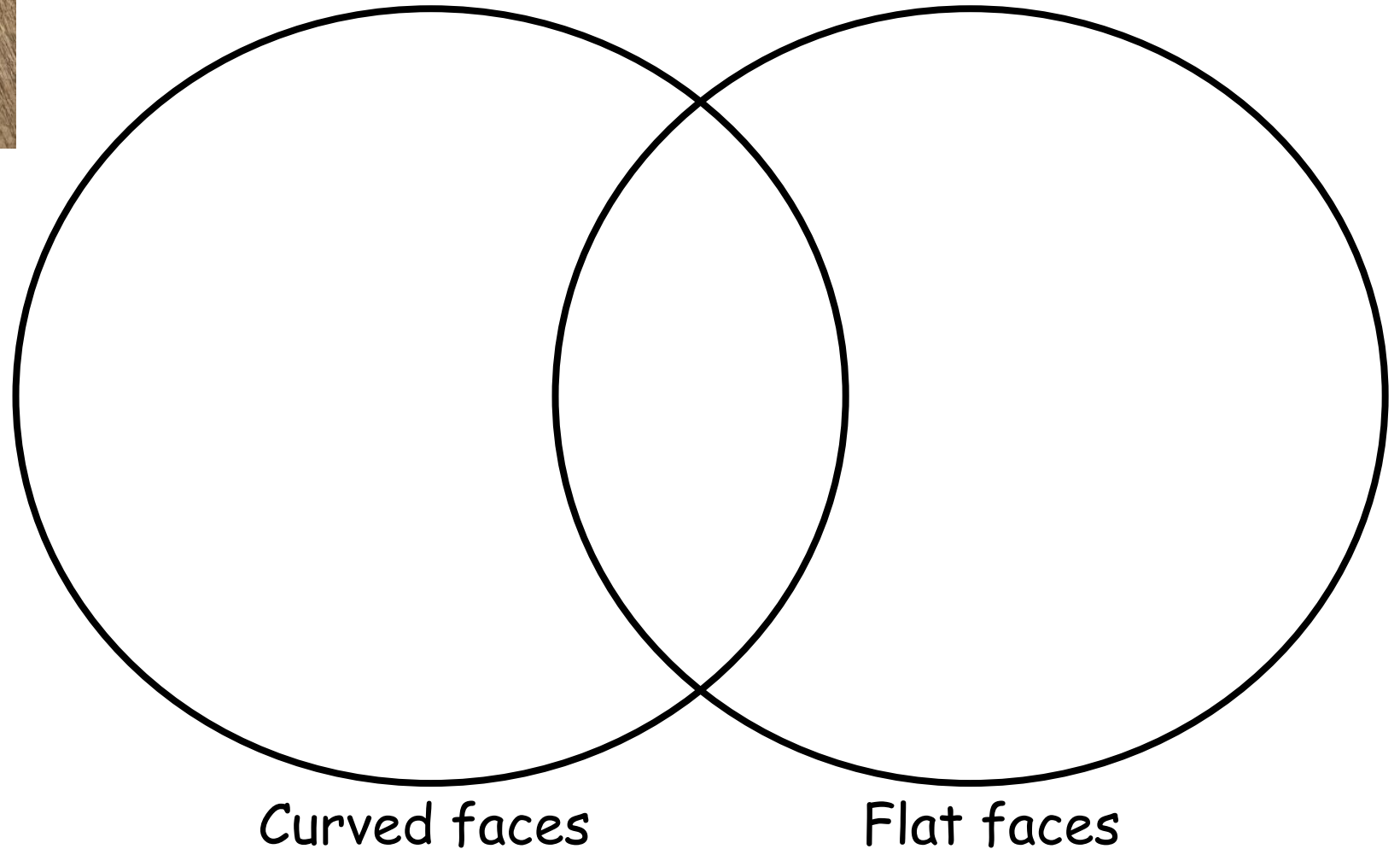
*Don't worry if
you can't find
them all.*

Check the next slide for an activity to do...



Now you have collected some shapes, I would like you to have a go at finding ways to sort them. Think back to our venn diagrams last week.

You could try like mine below, or think of you own:



Sort 3D shapes

- 1 Circle the odd one out in each group and complete the sentences.

a)



The odd one out is a _____.

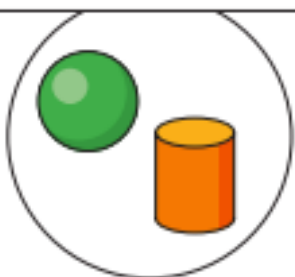
b)



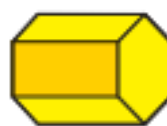
The odd one out is a _____.

- 2 Tick the shape that could go in the group.

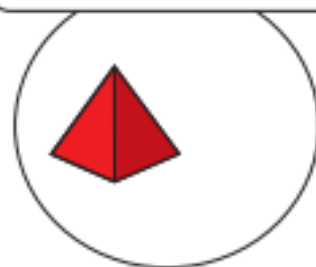
has a curved surface



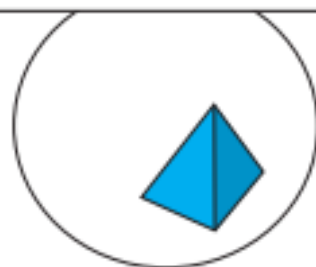
- 3 Tick the shape that could go in both groups.



odd number of faces



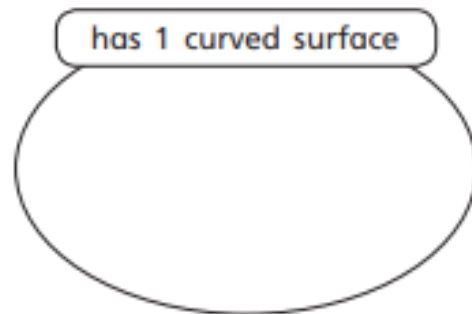
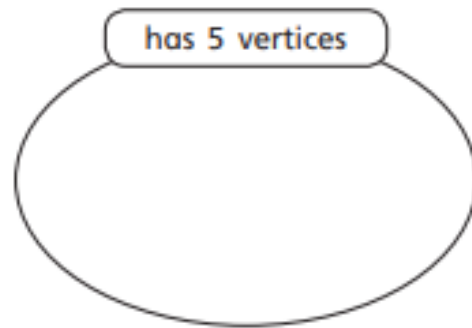
even number of vertices



- 4 How have the shapes been grouped?



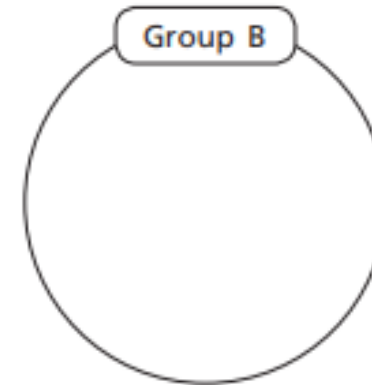
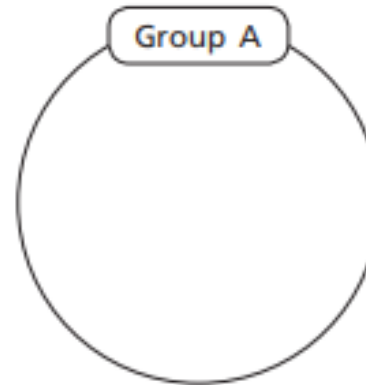
- 5 Write the name of a 3D shape that could go in each group.



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



- 6 a) Draw lines to sort the shapes into two groups.



- b) Give each of your groups a label.

Group A: _____

Group B: _____

Compare answers with a partner.



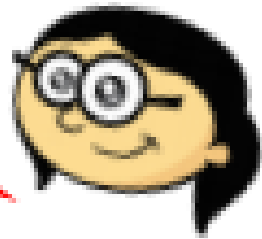
Remember to email your work to Mrs Jones or Mr Trevallion

Want an extra challenge?

Annie is sorting 3-D shapes.

She puts a cube in the cuboid pile.

A cube is a
type of cuboid.



Do you agree? Why?

Mathletics

There are also lots of shape activities on Mathletics that you can use to practise remembering your shape knowledge.

Tuesday 9th February

Can I create patterns with 3D shapes?

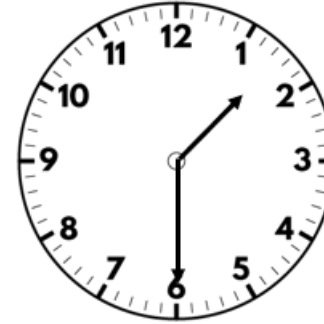
First, let's warm up by practising these questions.
Remember to make jottings (do drawings) if you need to.

Flashback 4

Year 2 | Week 3 | Day 2

1) How many points do Class 2 have?

Class	Tally	Total points
Class 1		15
Class 2		



Notice how each is counted in 5s.

2) Divide 20 by 5

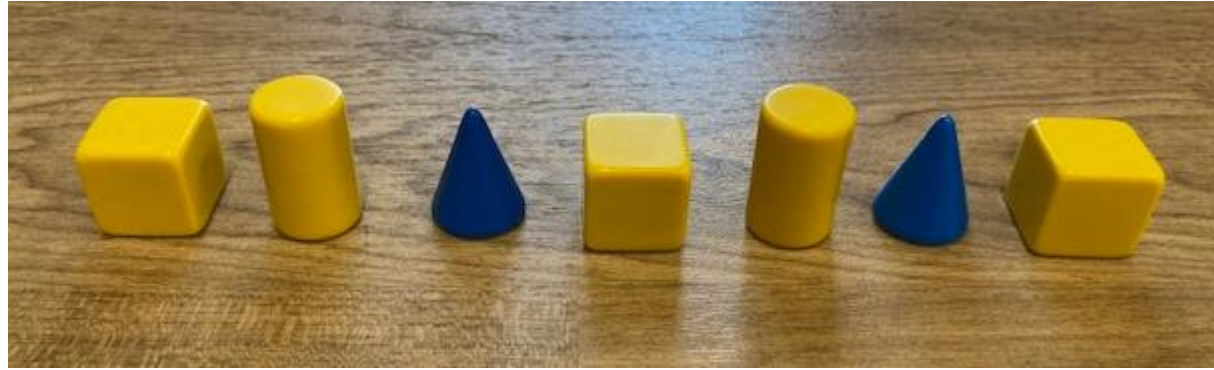
3) Calculate 2×8

4) What is $8 + 8$?

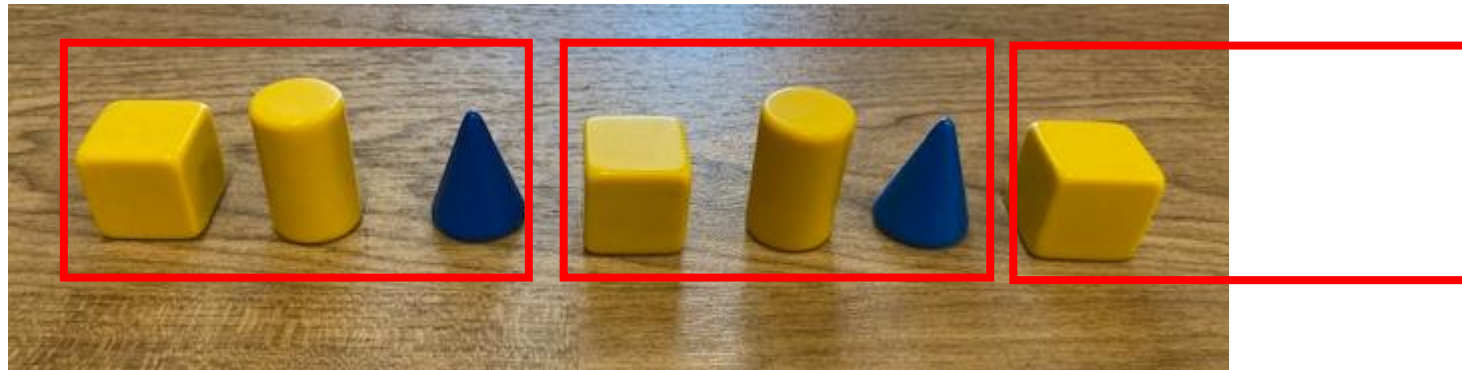
Will you use a bar model to help you?
How many 5s in 20?

20

I have been playing with the 3D shapes and making some patterns. Can you spot the pattern I have made?



If you find it tricky to spot patterns, then it is a good idea to chunk the sequence into blocks, like here:



Can you see the pattern I have made here, remember to chunk the pattern to help you:



What would the 11th shape be in the pattern?

Can you use 3D shaped items from around your house to make a pattern?

There is an activity for you to complete on the next page...

Write the name of the next shape that would come in the pattern




Want an extra challenge?


Make Patterns with 3D Shapes

Tom and Ben are making patterns.

Tom's pattern:



Ben's pattern:



Tom: Our patterns are the same.

Ben: The patterns are different.

How are the patterns the same?

How are the patterns different?

Could you challenge yourself even further and create a symmetrical pattern?

Wednesday 3rd February

Everybody Reads Day

Can I create a tally to organise data?

First, let's warm up by practising these questions.
Remember to make jottings (do drawings) if you need to.

Flashback 4

Year 2 | Week 3 | Day 3

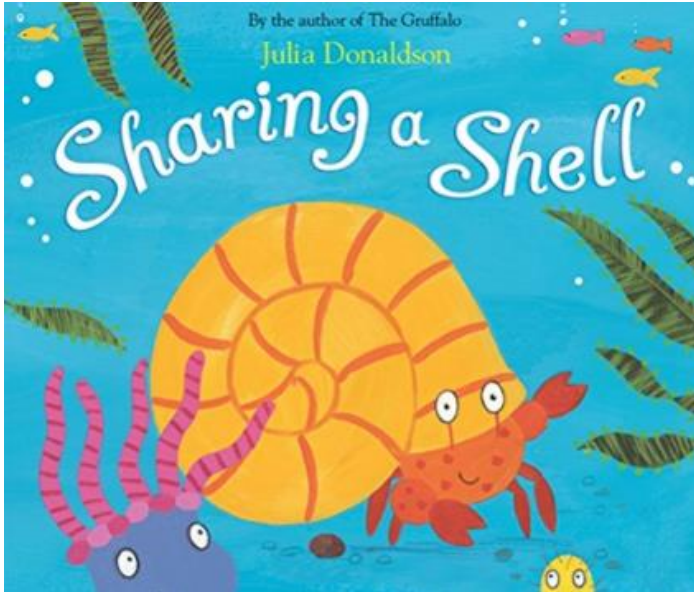
- 1) How many children walk to school?

Travel	Tally	Total children
Walk		
Car		20



- 2) Calculate $8 \div 2$
- 3) What is $5 + 5 + 5$?
- 4) What is 10 more than 30?

Today is Everybody Reads Day so there is a special video on YouTube with your maths activity today.



EVERYBODY READS DAY
YEAR 2 MATHS

WEDNESDAY 10TH FEBRUARY

<https://www.youtube.com/channel/UCq2Lj2zTdT4u5qOPwZttcEA>







The activity is explained on the video.

Word	Tally	Total

Want an extra challenge?

Dexter makes a tally chart of the animals he saw at the zoo

Animal	Tally
	
	
	
	

Tick one box below that shows all of the animals Dexter saw and explain why the others are incorrect.


Box 1



Box 2



Box 3



Box 4





There is a tallies activity set for you on Mathletics.

Thursday 4th February

Problem solving?

First, let's warm up by practising these questions.
Remember to make jottings (do drawings) if you need to.

Flashback 4

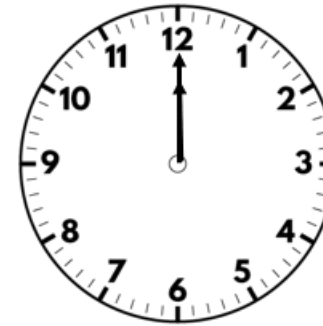
Year 2 | Week 3 | Day 4

1) How many rainy days altogether?

Weather		Total days
Sunny	● ● ● ●	4
Rainy	● ● ●	

Key

● = 1 day



2) Work out $30 \div 5$

3) How many sides do 10 squares have?

4) What is $30 + 40$?

Maybe you could draw a bar model to help you. How many 5s are there in 30?

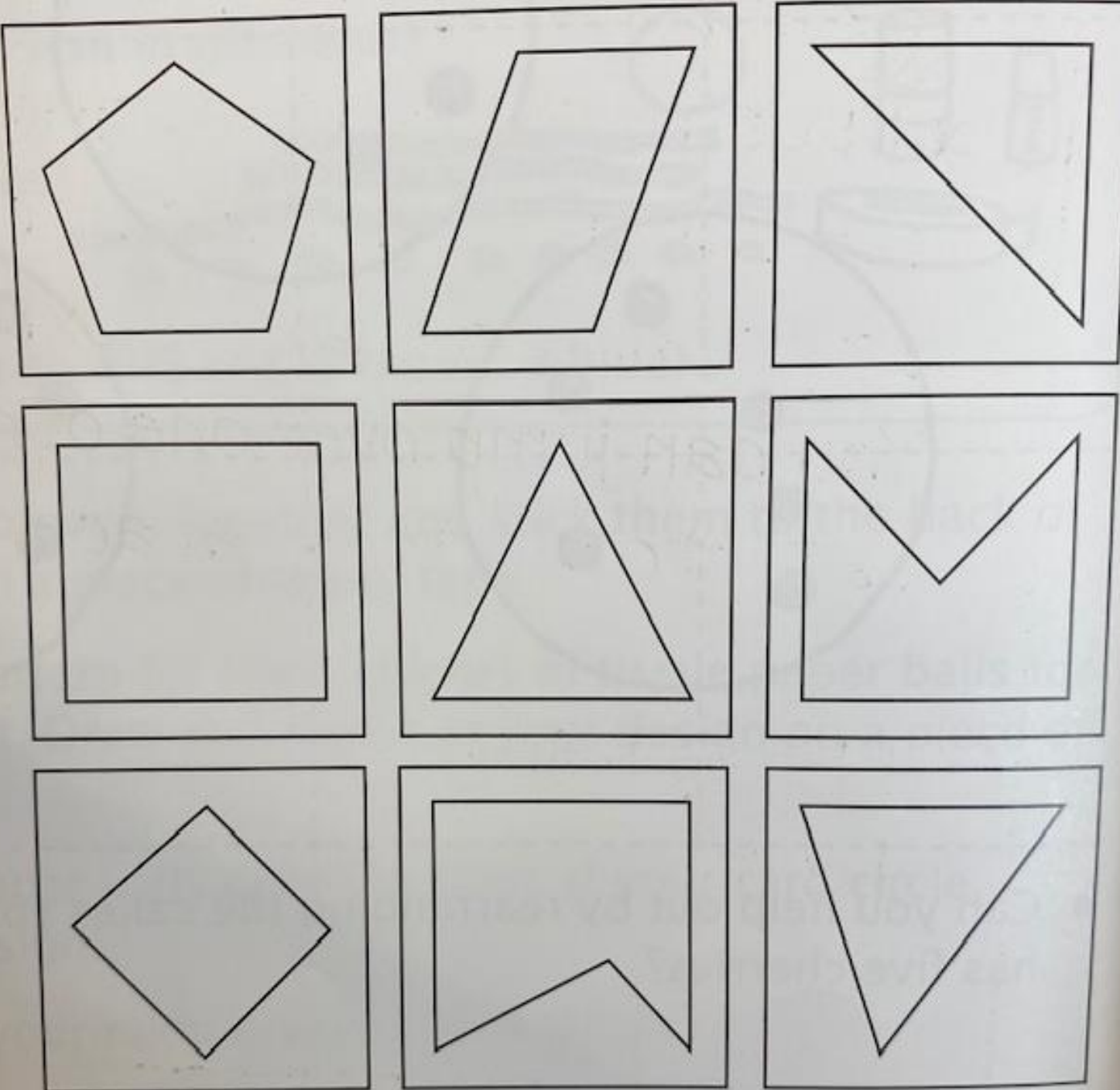
To finish off our learning about shapes this week we are going to have a go at solving a problem.

When we are solving problems we don't always get the answer straight away, and that is ok. We can just have another try, this can be either by starting again or just changing something slightly.



I want to make a patchwork quilt for my niece, talk to your grown up about what a patchwork quilt is.

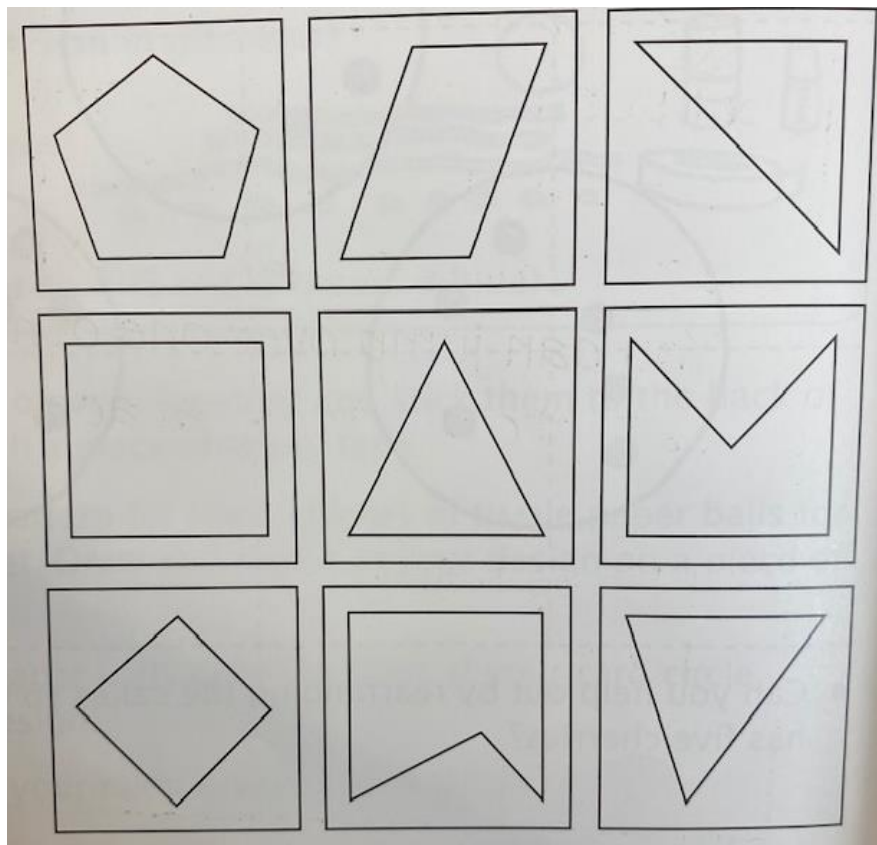
My niece is going to be 12 years old so I am going to try and create a special design for the quilt based on the number 12.



Can you arrange these nine shapes so that the number of sides of the shapes in every row on the patchwork quilt adds up to 12?

The quilt will have 3 shapes in each row.

Need it trickier....



Can you arrange these nine shapes so that the number of sides of the shapes in every row **and** column on the patchwork quilt adds up to 12?

The quilt will have 3 shapes in each row.

Don't forget to send your quilt design to Mrs Kerbey
or Mr Trevallion.

Friday 5th February

Chinese New Year

First, let's warm up by practising these questions.
Remember to make jottings (do drawings) if you need to.

Flashback 4

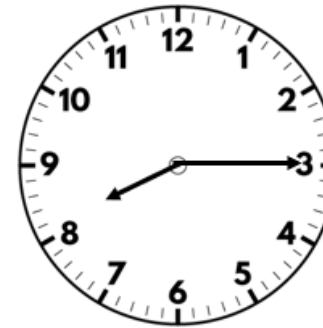
Year 2 | Week 3 | Day 5

- 1) How many children go to Netball club?

Club	
Netball	● ● ● ● ● ●
Art	● ● ●

Key

● = 1 child



What time is it?

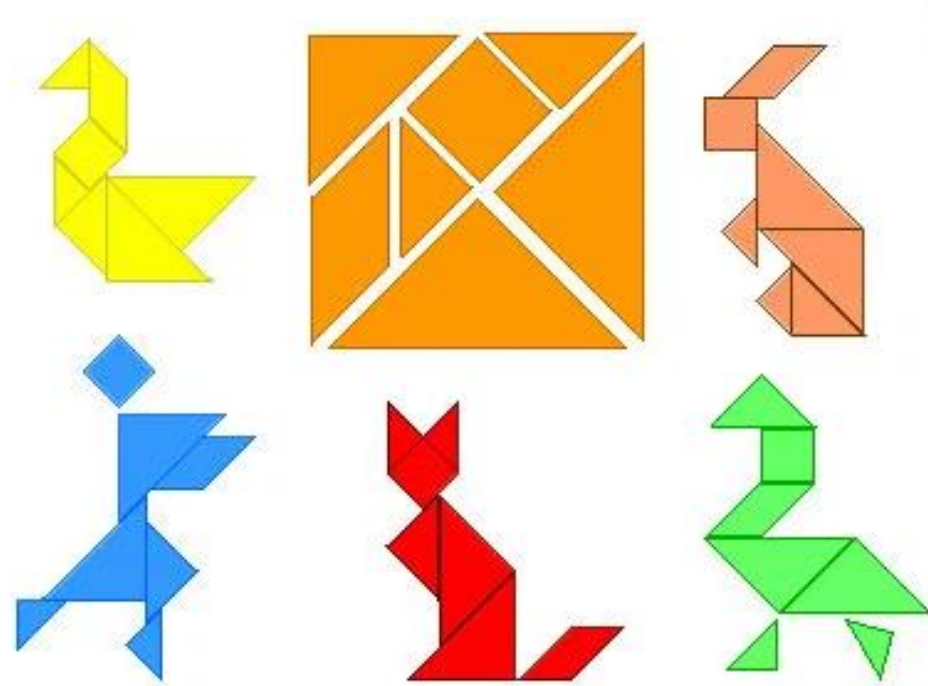
- 2) What is $12 \div 2$?
- 3) How much money is there altogether?
- 4) Is 17 even or odd?



How do you know?

Today we are celebrating Chinese New Year.

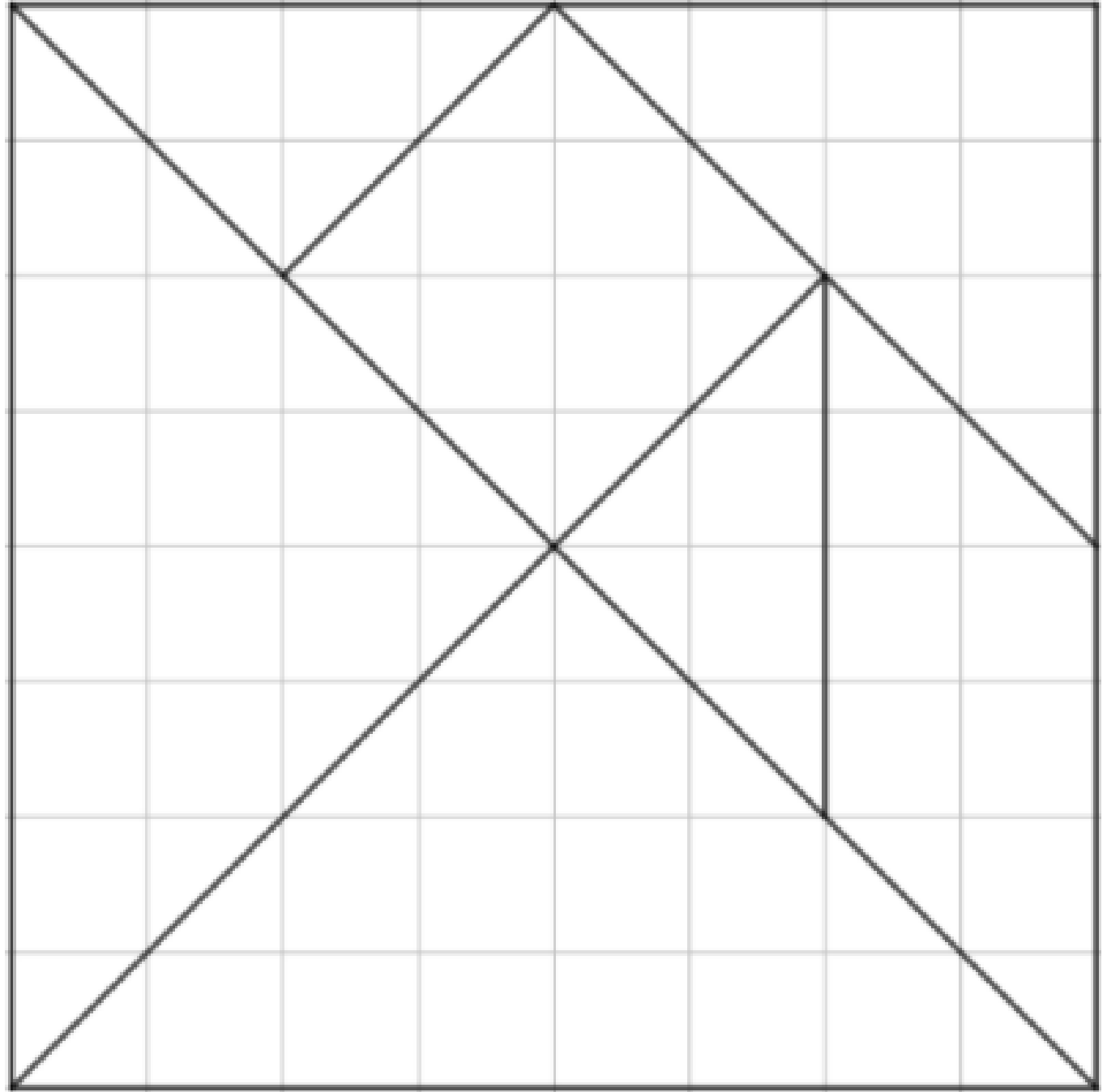
A tangram is an ancient Chinese puzzle where you make pictures using mathematical shapes.

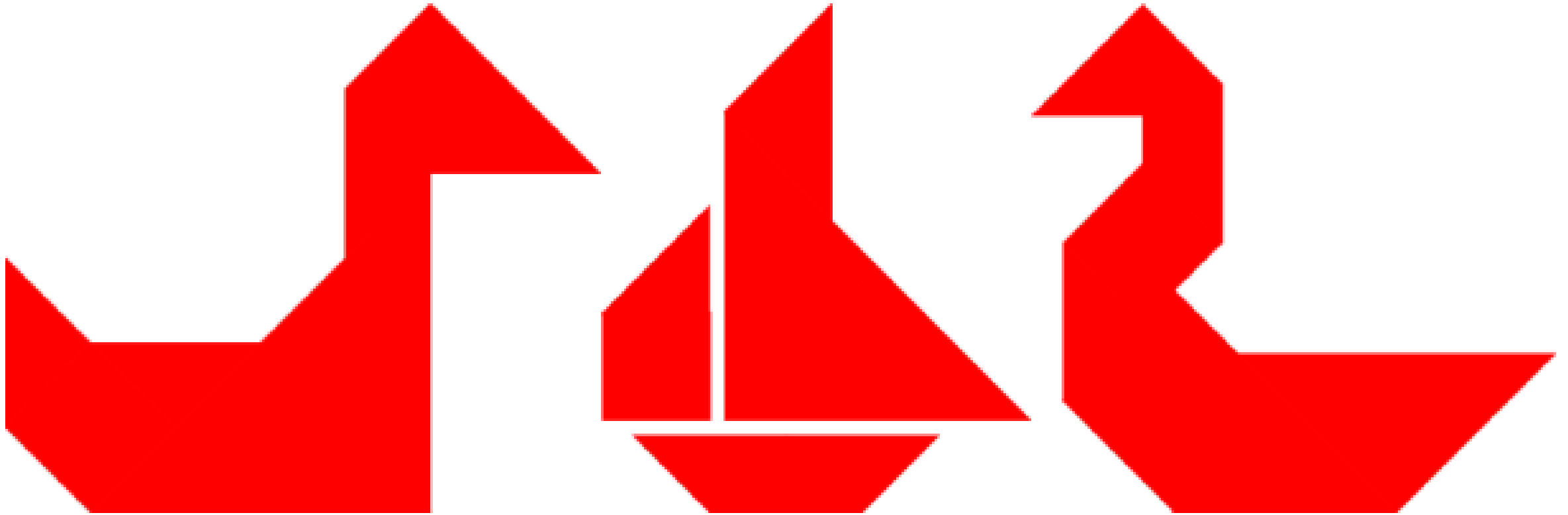


Have a go at some tangrams on this website:

<https://www.abcya.com/games/tangrams>

You can make your own tangram
and try and make the pictures on
the next page.





Are there any other pictures you can make with your seven shapes?