

Year One Maths Home Learning

Week beginning: 15th June 2020

This week we are revising and expanding on some of the units covered so far in Year One. In the next following weeks, we will be covering new units: 'Multiplication and Division' and 'Fractions'. This will be new learning that we have not yet covered in class this year. Lots of guidance will be given to help you assist your child in their new learning.

What you'll find this week:

- * Monday - Properties of Shapes
- * Tuesday - Capacity
- * Wednesday - Weight and Mass
- * Thursday - Months of the Year
- * Friday - Superhero Challenge

Monday - Properties of Shapes

Shapes are all different. 3D shapes can be grouped and sorted according to their properties, including their type, their size and their colour. Look at the different shapes below and circle the shape that is the odd one out with a reason why. You can only pick one shape out of the four to be your odd one out and you must think about their type, colour and size.

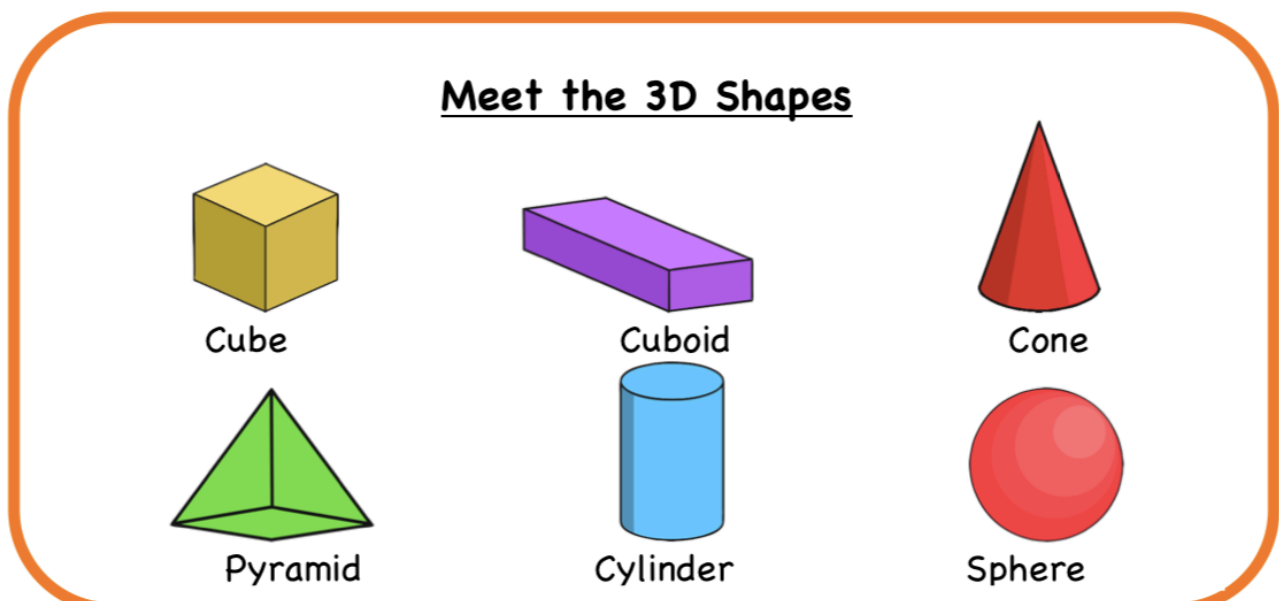
Make it different:

Can you find different shaped objects in your house and figure out which one is the odd one out? For example, a Lego piece, an orange and a bouncy ball. The Lego piece is the odd one out because it is not sphere shaped.

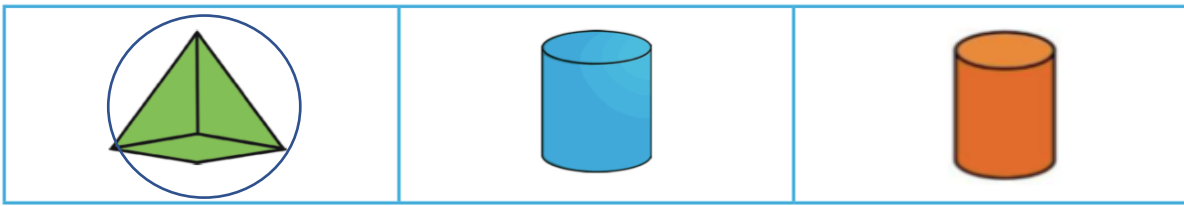
Extra Challenge:

Try sorting the different 3D shapes into the correct groupings on the next page.

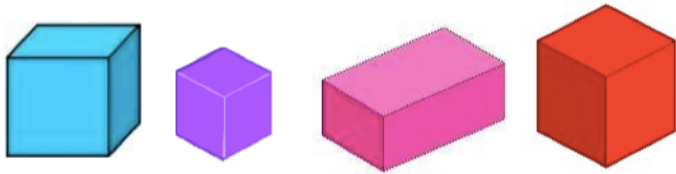
Here is a little reminder of the names of our 3D shapes:



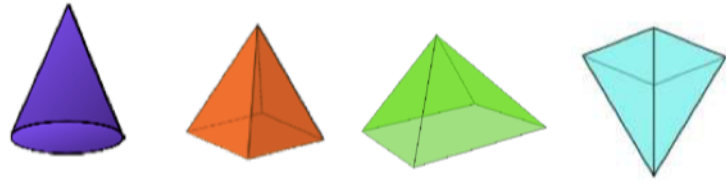
Example:



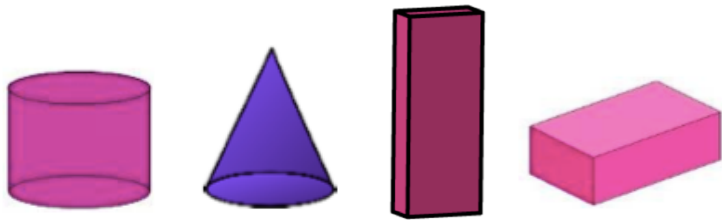
I think this shape is the odd one out, because it is a pyramid and the other two are cylinders.



I think this shape is the odd one out because _____



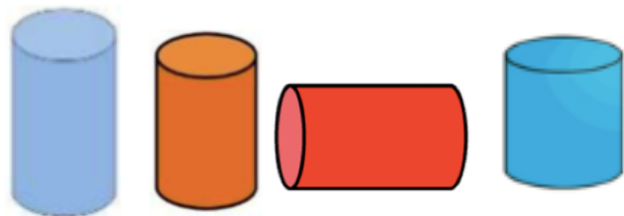
I think this shape is the odd one out because _____



I think this shape is the odd one out because _____



I think this shape is the odd one out because _____



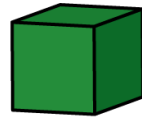
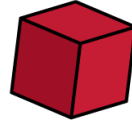
I think this shape is the odd one out because _____



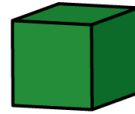
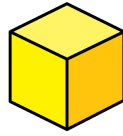
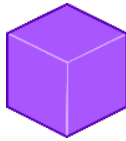
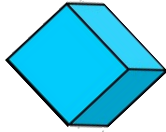
I think this shape is the odd one out because _____



I think this shape is the odd one out because _____



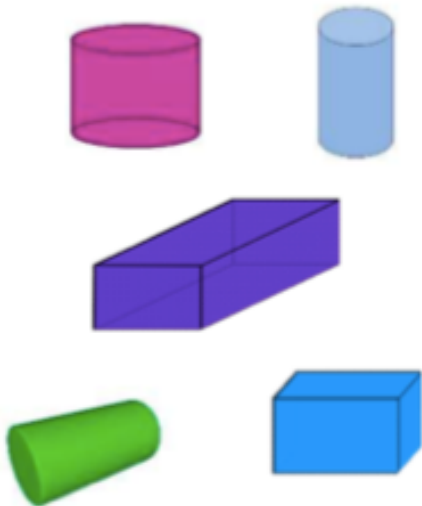
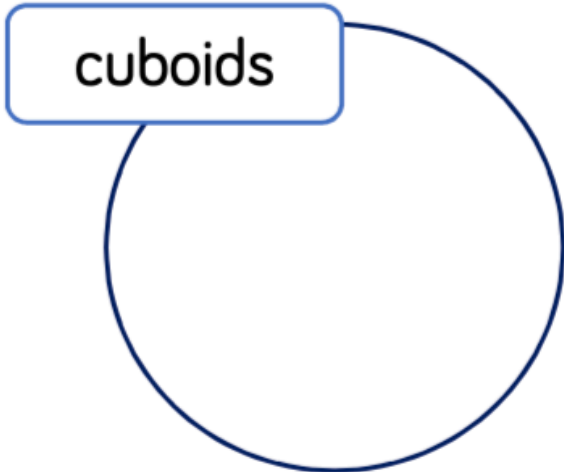
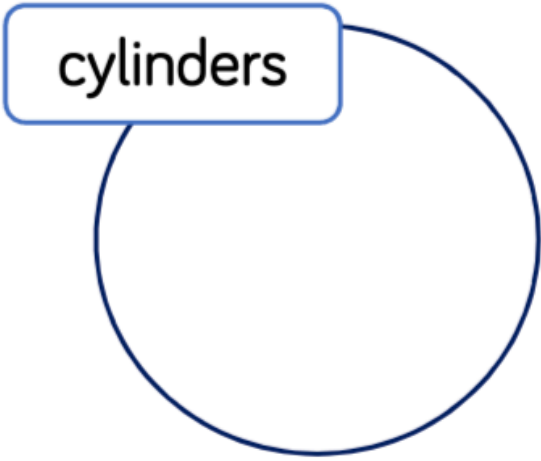
I think this shape is the odd one out because _____



I think this shape is the odd one out because _____

Extra Challenge:

Not all shapes with the same name look the same as each other. Look at the shapes below. Can you name them? What is the same and what is different? Place these shapes into the correct group. Use the 3D shapes poster to help you.



Tuesday - Capacity

Today we are going to measure the capacity of different containers using non-standard units of measure.

Capacity is a measure of how much something can hold. Can you work out which object holds the most liquid? Try the 'Spoon Challenge' below by using non-standard units to measure capacity.



POURING STATION

A NO-COST, HIGH FUN ACTIVITY

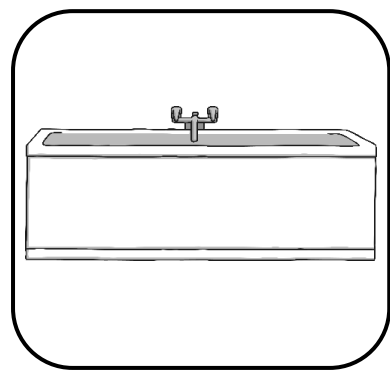
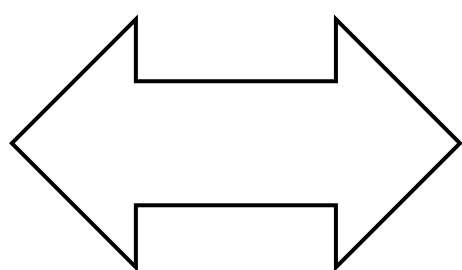
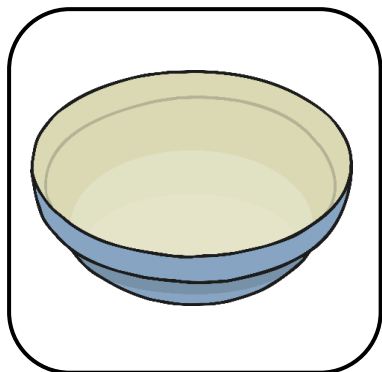
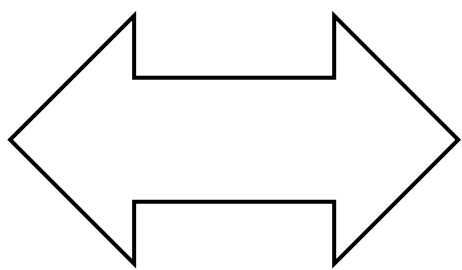
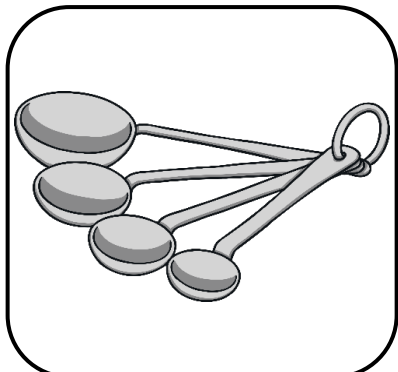
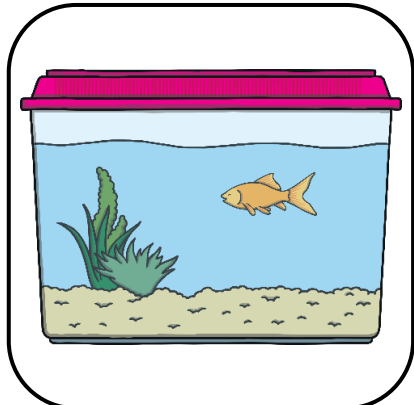
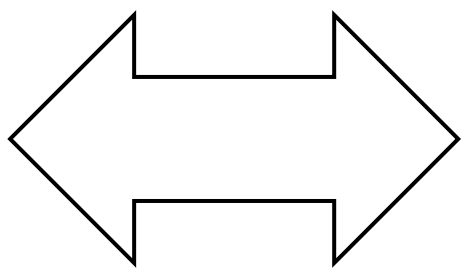
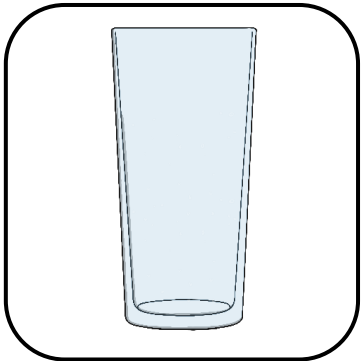
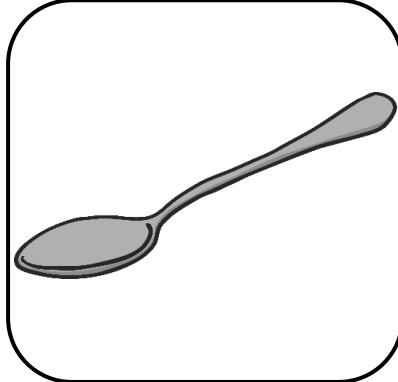
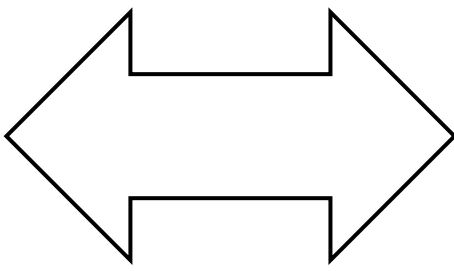
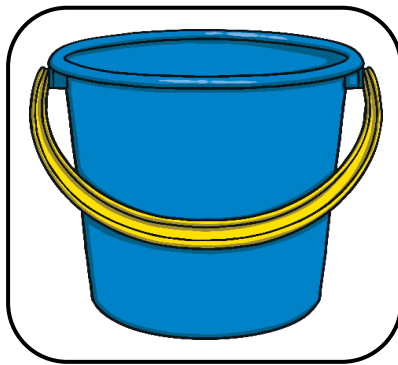
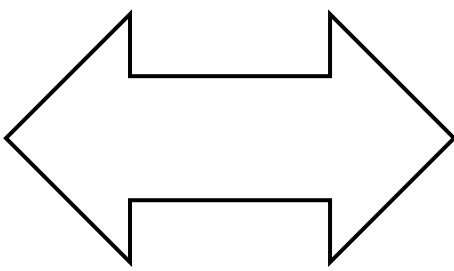
Make it different:

Create your own 'Pouring Station'. Use objects in your house that can hold liquids, for example a bucket, a spoon, a cup etc. Guess which one you think will hold the most and which one will hold the least. Once you have guessed, test it out by pouring water into each of them. Did you guess correctly? Try with other objects that hold liquids.

Extra Challenge:

Using the measurement of a litre, can you decide which objects hold more, less or the same amount, as a Litre

Tick the objects that hold the most liquid:



Spoon Challenge

I can use non-standard units to measure capacity.

Collect some small containers, a spoon, and some free-flowing material like rice or sand.

Choose a container. How many spoons of the material do you think it will hold? Test to see if you are right.



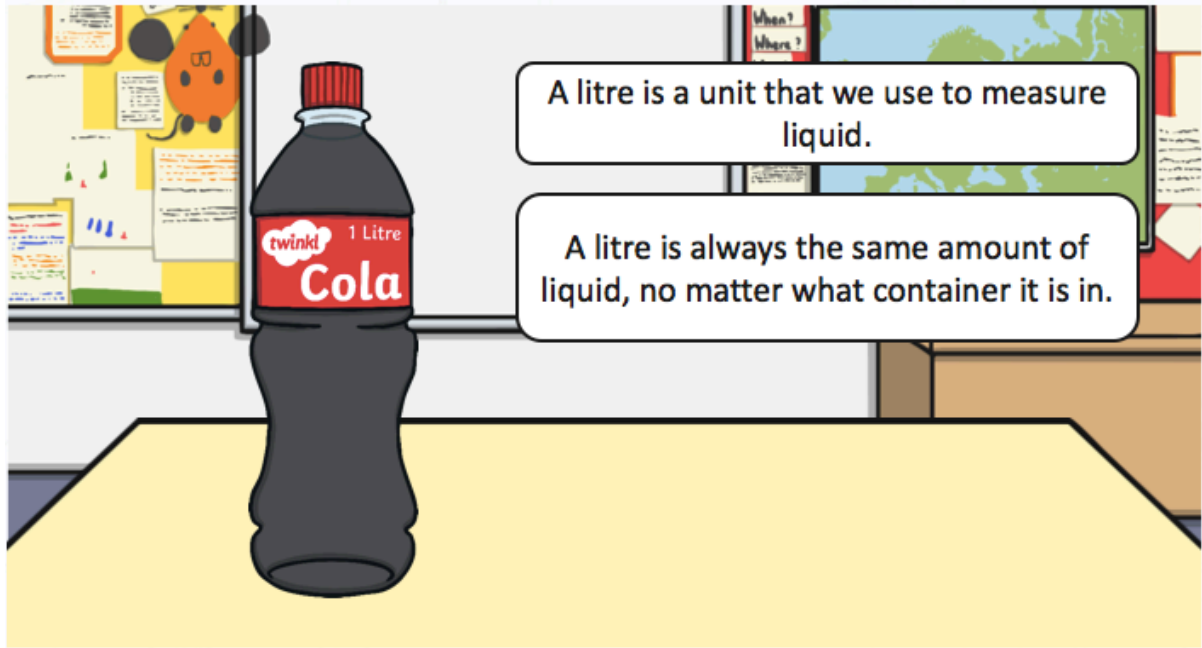
Container	Prediction	Result
	spoons	spoons
	spoons	spoons
	spoons	spoons

Which container held the most? _____

Which container held the least? _____

Extra Challenge:

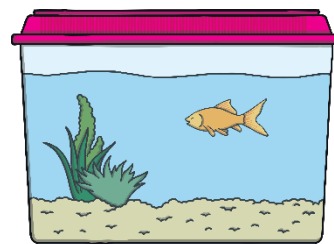
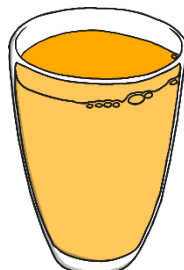
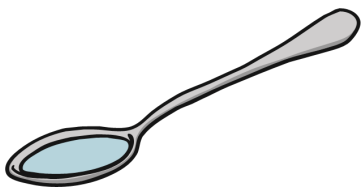
This bottle holds a litre.



MORE

SAME

LESS



Wednesday - Weight and Mass

Today we are going to be focusing on Weight and Mass. Before you start the activity on the next page, please show your child the following video to help them understand the concept:
<https://whiterosemaths.com/homelearning/year-1/>

Click on the link above. Find Week 5: Lesson 4.

When we refer to Weight and Mass, we must use the words: **Heavy, Light, Heavier than, Lighter than, The same.** Use this vocabulary to answer the questions on the next page.

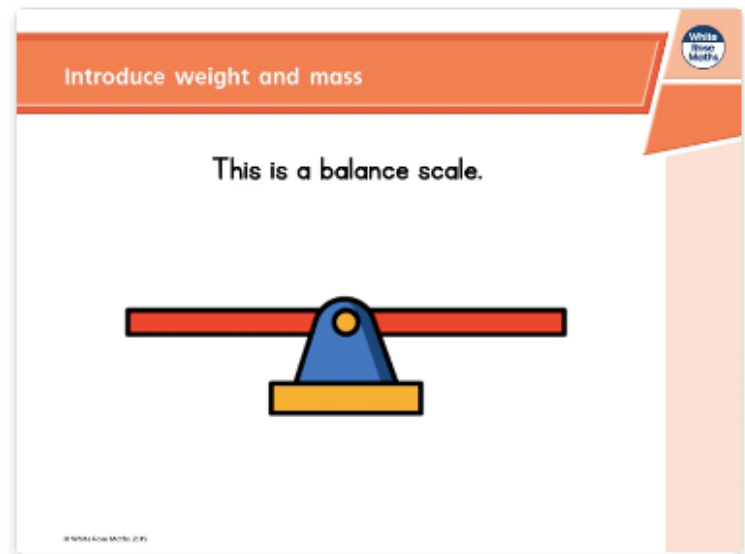
Make it different:

If you have got a balance scale at home, try comparing the weight of different objects. If you don't have access to a balance scale, place an object in either hands, which object is lighter and which object is heavier? Or you can use the balance scales in the following link:
https://www.mathplayground.com/balance_scales.html.

Extra Challenge:

Can you work out what object Jack is thinking of? Think of objects that might be the answer. Maybe you could find objects in your house to help you. There may be more than one answer!

Lesson 4 - Introduce weight and mass



Complete the following:

1a. Tick the correct statement.



The mouse is the heaviest.

The cat is the heaviest.

1b. Tick the correct statement.



The ball is the lightest.

The boot is the lightest.

2a. The flower is heavier than the seeds.



Draw them in the correct place on the scales.

2b. The mitten is lighter than the hat.



Draw them in the correct place on the scales.

3a. Circle the word that describes the weight of the sock.



heavier

lighter

3b. Circle the word that describes the weight of the apple.



lighter

heavier

4a. Use the scale to complete the sentence below.



The truck is _____ than the duck.

lighter

heavier

4b. Use the scale to complete the sentence below.



The bird is _____ than the frog.

lighter

heavier

Extra Challenge:

I'm thinking of an object. It is heavier than a pencil, but lighter than a book.



What object could Jack be thinking of?

Prove it.

How many objects can you think of?

Thursday - Months of the year

Today we are going to learn about the different months of the year. Can you name any of them? In each month of the year, the weather changes and in certain months we celebrate special Occasions. There are 12 months in the year. We start our year in January and the last month of the year is December. Look at the poster below, can you use the pictures to help you find out what these special celebrations are?



Can you find:

- The month you celebrate your Birthday?
- The month we celebrate Christmas?
- The month we celebrate Halloween?
- The month we celebrate Easter?
- The month we have our Summer Holidays?

Try answering questions about the different months of the year, on the following page. Remind your child what 'Before' and 'After' means to help them complete the activity.

Make it different:

Show your child a calendar and read through the months together. Try the following link to help your child remember the order of the months of the year: <https://www.youtube.com/watch?v=5enDRrWyXaw> .

Months of the Year

You will need the Months of the Year Poster to help you.

1. Join the question to the correct month

January	What is the first month of the year?	August
November	What is the last month of the year?	June
February	Which month is the summer holiday in?	December
	Which month is after May?	
	Which month is before March?	
	When is Bonfire Night?	

2. I am thinking of a month. It is the month that lambs are born in. What is the month?

Play this game with a partner. Think of your own clues and ask your partner to guess the month. Take turns.


3. Draw a picture of the month of your birthday.




Extra Challenge:

Try the tricky questions below to fill in the missing months.

Months of the Year



Fill in the missing months and complete the sentences.



January
March
July
August
November

This month is February so last month was _____

This month is August so next month is _____

The month before January is _____

The month that is 3 months after May is _____

The month that is 5 months before August is _____

My birthday is in _____.

Which months have warm weather?

Which months have cold weather?

Which months do we have special celebrations or holidays in?

Which months come after January?

How many months are there in a year?

Friday - Superhero Challenge

Can you complete the challenge cards below to show your super numeracy skills?

Make it different:

Use counters, a ruler or objects in your house to help you answer the questions on the next page.

Extra Challenge:

Using your knowledge on what we have been learning over the past few weeks, can you try the tricky questions on the next page.

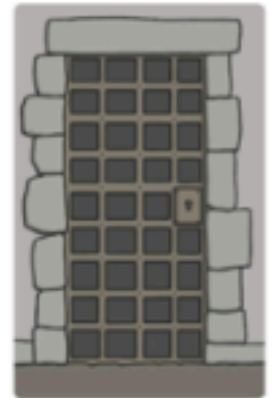
Superhero-Themed Maths Challenge Cards

1. How many superheroes are there? Tell your superhero friends how you found the answer.



Superhero-Themed Maths Challenge Cards

2. So far this year, superheroes have captured 18 supervillains. If one more is captured, how many supervillains will have been captured altogether?



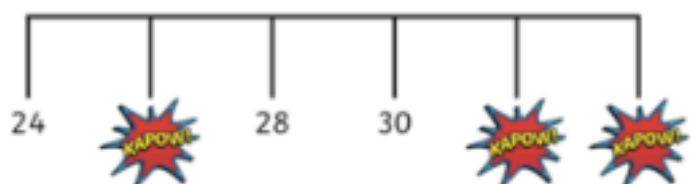
Superhero-Themed Maths Challenge Cards

3. Captain Courage's hideout is in the 2nd house on the right. Circle where his hideout is.



Superhero-Themed Maths Challenge Cards

4. Which numbers are hiding behind the pictures?



Which number did you fill in first? Why?

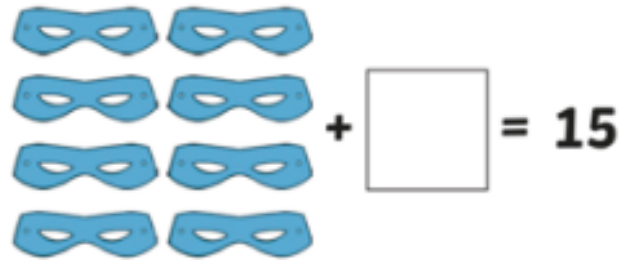
Superhero-Themed Maths Challenge Cards

5. Captain Courage has found out that the Dr Sneaky is hiding at house number fifteen. Which of these houses is he hiding in?



Superhero-Themed Maths Challenge Cards

6. What is the missing number?



Superhero-Themed Maths Challenge Cards

7. 20 superheroes are at a party. 7 of them have to leave early to catch some criminals. How many are left at the party?



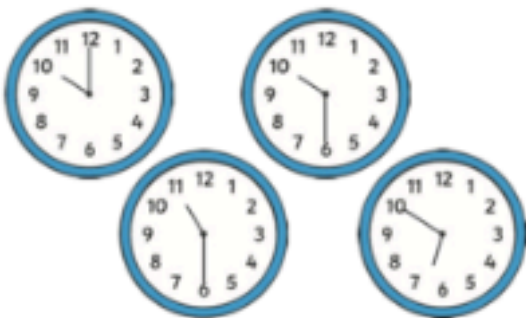
Superhero-Themed Maths Challenge Cards

8. Professor Skull has made a new potion to weaken superheroes! He says that this potion is the one in the bottle that is half full. Which is his potion?



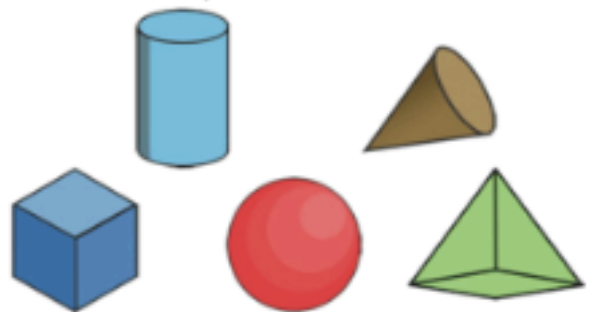
Superhero-Themed Maths Challenge Cards

9. Super Stan has to collect his medal at half past 10. Which clock shows half past 10?



Superhero-Themed Maths Challenge Cards

10. Mr Doom has built a cone shaped evil lair. Which shape is his new lair?



Extra Challenge:



The numbers on the superhero badges have all been represented in different ways.

- Can you say the numbers?
- Can you choose two of the numbers and compare them using the $<$ and $>$ signs?

