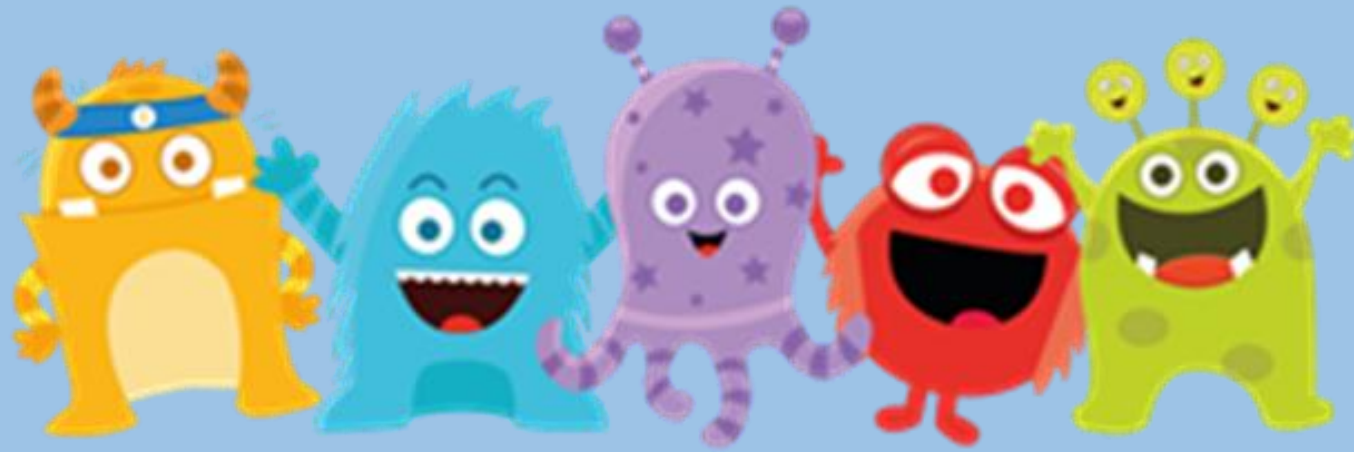
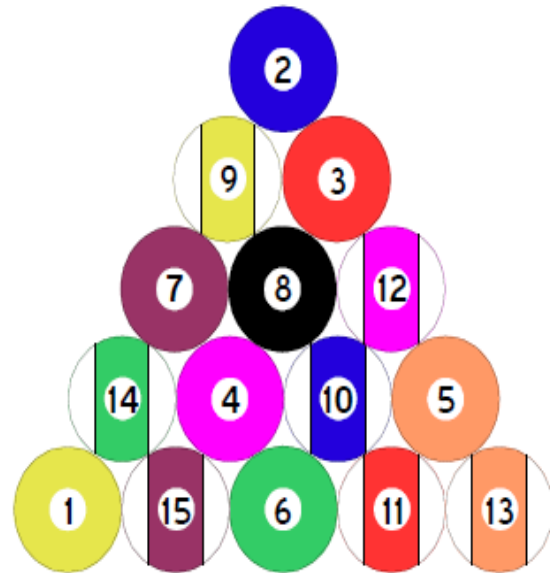


Welcome to Monday



The answer to Friday's warm up is 120.

**Pool balls are numbered from 1 to 15.
What is the total of the numbers on
all the balls?**



How did you solve this one?

You could have completed a
VERY long addition sum: $1+2+3+4+5+\dots+15$

OR

Did you find a quicker way?
I paired the pool balls up:
 $1 + 15, 2 + 14, 3 + 13$ (as
they come to 16 per pair. I
then added on the 8.



The answer is four.

Although there are many socks in the drawer, there are only three colours, so if you take four socks then you are guaranteed to have at least one matching pair.



Oooo....posh socks!



Activity 1

Seven seventeen or seventeen minutes past seven

Nine minutes to three

Thirty-three minutes past ten

Twenty-seven minutes past four

Nine minutes past twelve

12 HOUR	24 HOUR
07 : 17 am	07 : 17
02 : 51 pm	14 : 51
10 : 33 pm	22 : 33
04 : 27 pm	16 : 27
12 : 09 pm	12 : 09



Activity 2

- | | |
|-------------------------|------------------------------|
| 1) $1\frac{1}{2}$ hours | 11) 600 months |
| 2) 6 hours | 12) 18 months |
| 3) 105 minutes | 13) 10 days |
| 4) 480 minutes | 14) $1\frac{1}{2}$ days |
| 5) 2 weeks | 15) 168 hours ↗ |
| 6) 5 weeks | 16) 48 hours ↘ |
| 7) 2 weeks & 6 days | 17) 5 th October |
| 8) 42 days | 18) 3 rd March |
| 9) 2 3 years | 18) 27 th January |
| 10) 7 years | 18) 22 nd June |



I think Mrs S
made a couple
of mistakes!

Extension

A1. 26 minutes	B1. 12:19
2. 22 minutes	2. 53 minutes
3. 5:53	3. 8:45
4. 35 minutes	4. 4:23
5. 8:15	5. 12:10



Very well done if
you gave these a
go!

Remember to keep practising TIME even
though today you're going to be doing
different work.



As usual, let's begin with times tables practise.

<https://www.timestables.co.uk/multiplication-tables-check/>



Select addition or subtraction on this game to practise your mental calculations.



<https://www.topmarks.co.uk/maths-games/mental-maths-train>

Something a little different for our final week before the holidays..

This week we are going to focus on position, direction and the use of coordinates.

On the next page you will see some vocabulary which is linked to this unit of work. Think carefully about what they mean. If there are any you are struggling with, perhaps you could look up the meaning in a dictionary or on the internet before reading my explanation of them.



position

right

horizontal

coordinate

square

vertical

vertex

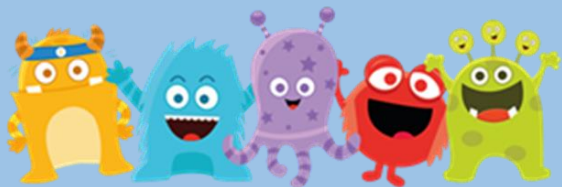
rectangle

grid

down

vertices

left



These are the words you may have found more difficult:

coordinate

When describing the position of an object on a grid in terms of how far across and how far up it is, this is the coordinate.

horizontal

This refers to a line that goes straight across or left to right.

vertical

A line which goes up and down.

vertex

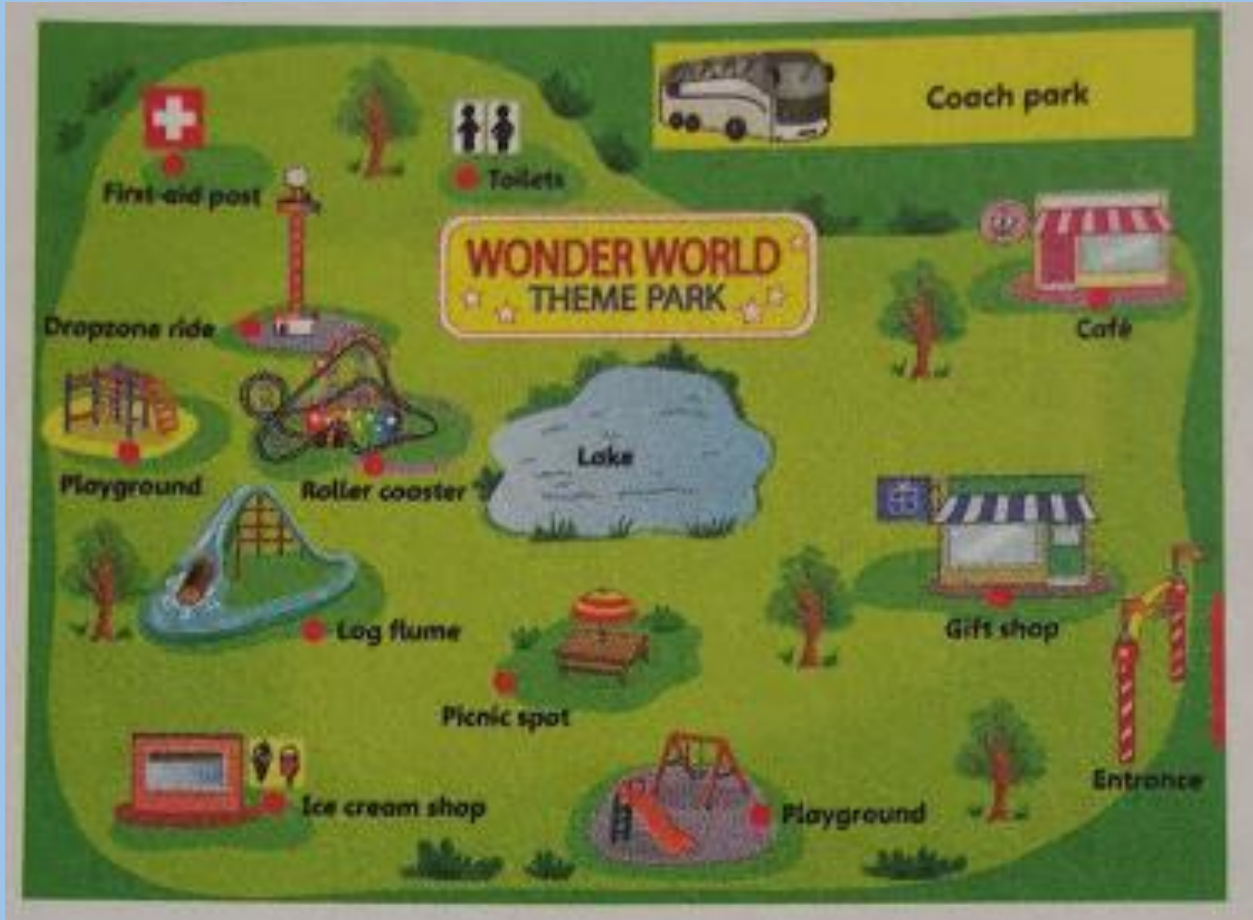
The point at which two lines meet.

vertices

The plural of vertex.



First, we are going to look at describing the position of places, or objects, in relation to each other. We will need to use words like:
above, below, left, right, half way between



- 1 Identify each of these places from its description.
 - a) The place near the top of the map, close to the coach park.
 - b) The feature in the centre of the map.
 - c) The closest place to the entrance.
 - d) The closest place to the lake.
- 2 Describe the positions of these places. There may be more than one way to describe each one.

a) The ice cream shop	c) The dropzone ride
b) The café	d) The first aid post



How did you get on?

ANSWERS

Question 1 a): The toilets.

Question 1 b): The lake.

Question 1 c): The gift shop.

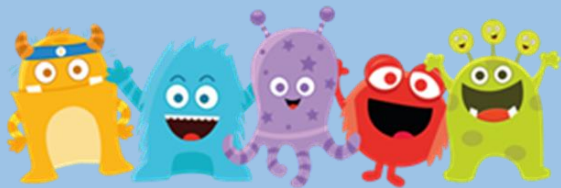
Question 1 d): The roller coaster.

Question 2 a): Example: The ice cream shop is close to the bottom of the map, near the log flume.

Question 2 b): Example: The café is between the gift shop and the coach park.

Question 2 c): Example: The dropzone ride is next to the playground and the roller coaster.

Question 2 d): Example: The first aid post is at the top left of the map.



This time a grid has been added to the map. Have a go at answering these questions:

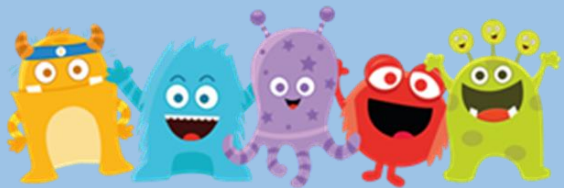


Use this version of the map to find each of these places from its description.

- a) This place is half-way between the roller coaster and the ice cream shop.
- b) This place is two spaces to the right of the first aid post.
- c) This place is seven spaces across from the left edge of the map, and three spaces up from the bottom.



Do the squares on the map (the grid) make it easier to say where things are? Why?



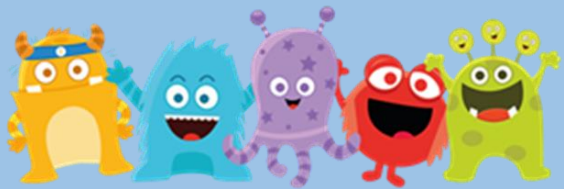
Here are the answers:

Question 3 a): The log flume.

Question 3 b): The toilets.

Question 3 c): The gift shop.

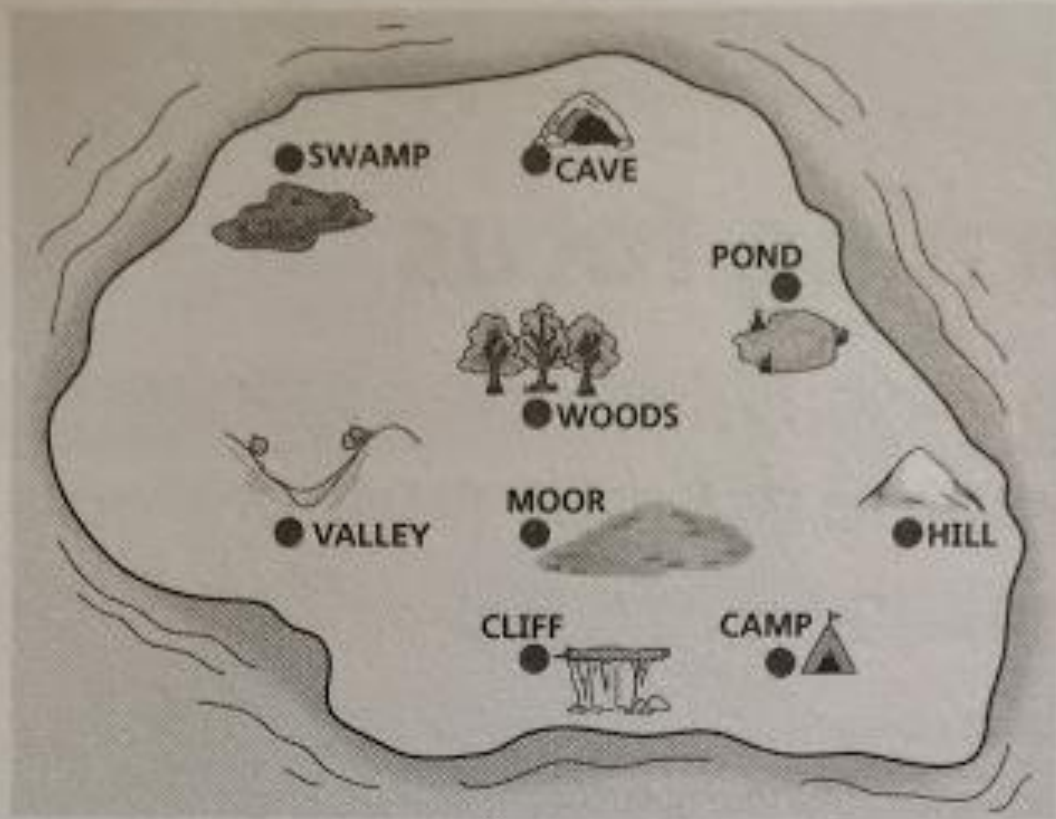
Having the grid there, means that there are other points to refer to, in order to give an accurate description.



Now have a go at these:

Describing position 1

1 Use the map to identify places from the information given.



a) This place is next to the moor and close to the camp.

b) This place is in the centre of the map.

c) This place is between the cliff and the cave. It is closer to the cliff than the cave.

d) This is the closest place to the camp.



Now have a go at these:

2 Describe where these places are.

a) The camp _____

b) The cave _____

c) The pond _____

d) The swamp _____


e) The moor _____

f) The cliff _____

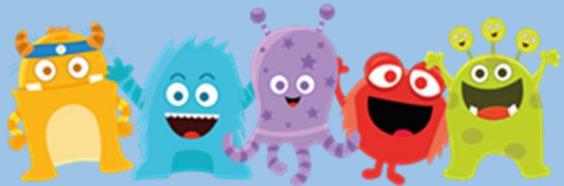


Now have a go at these:

- 3 Imagine drawing a straight line from the cave to the cliff.
Which other places would the line go through?

- 4
- Andy
- 
- The woods are exactly half-way between the cave and the moor.

Is Andy correct? Explain your answer.



Now have a go at these:

5 Here is another version of the map.



Use this version of the map to describe where some places are. Pass them to a partner to find.

Does this version make it more efficient to say where the places are? Explain your answer.

