


## Year 2

Select from the list below and complete one each day. Make sure you enjoy the activity and share it with your parents. Complete as much as you can but each activity should take no longer than an hour.

	Activity	Parent Comment
1	<p>Split your school telephone number into single digits. How many two-digit numbers can you make? Can you order them from smallest to largest?</p> <p>Pick 2 of the two-digit numbers and add them together. What strategies did you use? Partitioning? Number line? Repeat 3 times.</p> <p>Can you pick 2 two-digit numbers that would add to make 100? If not how close can you get to 100?</p> <p>Pick 2 two-digit numbers and subtract the smallest from the largest. What strategies did you use? Partitioning? Number line? Repeat 3 times.</p> <p>Can you pick 2 two-digit numbers that when you subtract the smallest from the largest you get an answer between 40 and 50?</p>	

2	<p>Challenge a member of your family to an exercise competition. Make sure you both warm up and then see how many of each exercise you can complete in one minute?</p> <p>Star jumps Press ups Burpees Sit ups Squats</p> <p>What is the total amount of each activity that you both managed to complete? What was your joint total for each activity? What was the difference between the amounts that you both managed to complete?</p>	
3	<p>Buy a Smartie tube or a pack of multicoloured sweets. Count how many smarties are in the tube. If it's an odd number eat one! Can you count the smarties in 2s or 5s?</p> <p>Which colour is the most popular? What is the difference between the most popular and the least popular colour? Can you draw a pictogram to show how many smarties are in your tube?</p>	

4	<p>Using squared paper, can you draw a robot where half your robot is red and <math>\frac{1}{4}</math> of your robot is blue. Choose another colour for the rest of the robot. How many of each colour do you have?</p>	
5	<p>I have 50p in my purse. What coins could I have in my purse?</p> <p>Can you work in a system to find them all?</p> <p>If I only have silver coins in my purse, what could they be?</p> <p>How many possibilities can you find?</p>	
6	<p>Complete a diary of what you have done during the day. Think about the time you started/ finished. Can you record the times on a clock face?</p> 	

7	<p>Make a fruit cocktail at home that is 100ml in total. What ingredients are you putting into the cocktail? Record your recipe using the correct units of measure.</p> <p>How did it taste? Would you change the amounts of each ingredient to improve it?</p>	
8	<p>Choose a question to ask your family and friends e.g. What is your favourite sport?</p> <p>How are you going to collect the information?</p> <p>Contact at least 10 people and then decide how you are going to record your results. You can make a table or a graph or both!</p>	
9	<p>In a toy box there are lorries with 10 wheels, bikes with 2 wheels and trolleys with 5 wheels.</p> <p>If I can see 45 wheels, what could be in the toy box? Is there more than one answer?</p> <p>Can you use your multiplication facts to help you?</p>	

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Can you make a model with 3D shapes? What shapes have you used? What is the same and what is different about the shapes you have used? Draw/ take a picture of your model and label the shapes and their properties. Remember to use the correct vocabulary when describing the shapes.

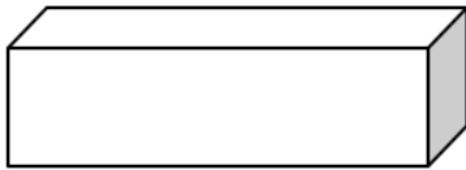
When we talk about 3D shapes, we talk about **faces**, **edges** and **vertices**.

The **faces** are the **flat parts of the shape**.

The **edges** are the **lines where two faces meet**.

The **vertices** are the **points where two or more edges meet**.

For example, this 3D shape has 6 faces, 12 edges and 8 vertices:



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Can you measure 10 objects in your house that are less than a metre, you could choose items such as toys, plants or furniture. Can you measure them in cms?

Can you create a 1 metre number line and order all of the heights? Make your number line vertical if it helps.

Can you work out the differences in height between the some of the objects that you have measured?

12 Download a 100 square. Find a partner to play the game with you. Each player needs a different object to mark their place on the board.

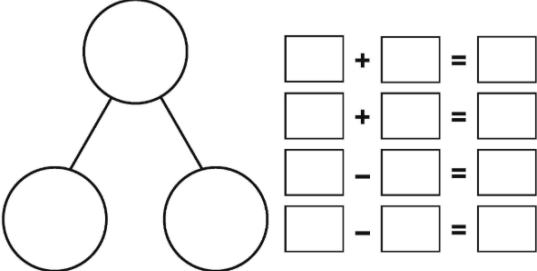
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Start on number 1 on the hundred square. Choose a number from the row of numbers starting with 21. Multiply the two digits together to get the number of moves you take. E.g. I might choose 23 so I calculate  $2 \times 3 = 6$  so I move 6 places and land on 6.

Take it in turns with your partner, choosing a number between 21 and 29 each time.


The winner is the person who lands on 100 exactly.

Repeat the game but choose numbers from the row beginning with 51. Who can get to 100 first?

13	<p>Make a 2-digit number by rolling a dice twice. How many ways can you partition the number? Use a part-part-whole model to record each result.</p>  <p>Can you record any mathematical statements about your part-part-whole models?</p>	
14	<p>Make a 2-digit number by throwing a dice twice. What is 10 more than your number? 20 more? 30 more? 10 less? 20 less?</p> <p>Can you record your results in a table? Repeat 5 times. What patterns are you noticing? Can you explain what is happening in the pattern?</p>	
15	<p>Create a poster about 2D shapes.</p> <p>Can you draw them accurately and label the parts of the shape?</p> <p>Which shapes have lines of symmetry?</p>	

16	<p>Can you find something in your house that measures exactly 1 metre? How many metres long do you think your bedroom is? Check it to see how close you were. Now try another room, were you closer this time?</p> <p>How many objects in your house can you find that are greater than 1 metre but smaller than 1 metre and 50cms?</p>	
17	<p>Find a recipe for your favourite food.</p> <p>With the supervision of an adult make this dish as independently as you can. Weigh and measure the ingredients, follow the instructions systematically and make sure it is cooked for the correct amount of time and at the correct temperature.</p>	
18	<p>Download Our Numbers from Nrich.</p> <p><a href="https://nrich.maths.org/7006">https://nrich.maths.org/7006</a></p> <p>Use the interactive spinners to make your numbers to collect? What type of numbers do you want to collect.</p> <p>Record the numbers you collected each time.</p>	



19	<p>Solve Magic Plant on Nrich</p> <p><a href="https://nrich.maths.org/145">https://nrich.maths.org/145</a></p> <p>Can you draw the plant each day to help you solve the problem?</p>	
20	<p>I can feel 16 straight sides in my bag.</p>  <p>What shapes might be in there? Record all the possibilities you might have?</p>	