

Maths Home Learning Grid (Y5)



- Revise an area of maths using the website below,
- play a maths game online and
- choose one other thing to work on each day from the boxes below.

Please keep evidence of all your great work and share it with us on Class Dojo to celebrate your achievements!

<p><u>Maths Revision</u> Visit https://www.water.lancs.sch.uk/attachments/download.asp?file=155&type=pdf</p> <p>Spend at least 20 minutes a day revising using the website above. Choose your area to focus on (one in which you are least confident). Share your revision with an adult and showcase your great work!</p>	<p>Roll a dice to create a 4-digit number multiplied by 2-digit multiplication question. Work out the calculation. Repeat 6 times.</p> <p>Can you use the digits 1-9 to create a four-digit multiplied by a 2-digit question that will give you an answer nearest to 10 000? You can use the digits more than once. How close can you get if you can only use each digit once?</p>	
<p><u>Maths Games</u> Choose a maths game to play each day for 15 minutes.</p> <p>https://mathsframe.co.uk/en/resources/category/22/most-popular</p> <p>https://www.bbc.co.uk/bitesize/subjects/z826n39</p>	<p>Roll a dice to create a 5-digit subtract a 5-digit addition question. Workout the calculation. Repeat 6 times.</p> <p>Can you use the digits 1-9 to create a 5-digit subtract a 5-digit addition question that will give you an answer nearest to 10 000? You can use the digits more than once.</p> <p>How close can you get if you can only use each digit once?</p>	

Select a recipe for 4 people. Change the recipe to make enough for 24 people.

Use the internet to find out the price per ingredient. How much will you need? Do you need more than one packet? What will be the price per head?

What percentage of the whole recipe is each ingredient?

Choose a recipe using imperial measures. Can you convert them to metric?

Can you scale up the recipe for 20 people?

Plan a trip to a city in the UK from your home.

Is there more than one option to get there? Are you going to get the train or drive? How much will it cost to get there? How much petrol will you use?

Which takes the least amount of time?

What will be your accommodation costs?

How much will you budget for meals? What will be the price per head be if 4 people came with you?

If you travelled 1000km on a tour of the UK, where could you travel to from your home? Can you record your distance for each stage of the journey in Km and miles?

Can you work out the cost of your travel and accommodation?

How long will you be away on your trip and how long will you spend at each destination? Will you take part in any activities at each destination? How much will this cost?

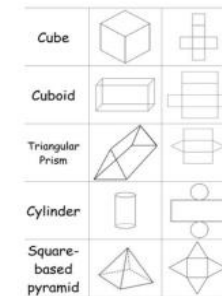
What is the total cost of your trip?

Look at the boxes you have in your house.


Disassemble a selection of boxes and look at the net of the box. What do you notice about the nets?

What is the same and what's different about the nets? Is there a relationship between the rectangular faces and the face at the end of cuboid?

Is there a relationship between the number of triangular faces and the base of a pyramid?



Can you create your own net and build a 3D shape based on your findings?

<p>Can you work out the area of each downstairs room in your house?</p> <p>Do you think the area of upstairs will be the same as downstairs?</p> <p>Now choose one room. Can you work out the cost to redecorate the room?</p> <p>How much carpet will you need?</p> <p>What size curtains will you need?</p> <p>How much paint will you need?</p>	<p>Can you create 2 mathematical statements that will always be true?</p> <p>Can you create 2 mathematical statements that will sometimes be true?</p> <p>Can you create 2 mathematical statements that will never be true?</p> <p>Can you convince me you are correct?</p> <p>Do you need to draw a picture to help you?</p>	
<p>Download Nine pin Triangles from nRich</p> <p>https://nrich.maths.org/2852</p> <p>Create as many different triangles as you can on the nine pins. Can you classify them? Can you identify the angles in the triangles? If you have a protractor can you measure them?</p>	<p>Draw a rectangle and divide it into quarters diagonally. Cut the shape up into 4 triangles. Rearrange the triangles to make other shapes. How many different shapes can you make? Can you classify them? Can you describe them?</p> 	

Download Factors and Multiples puzzle from nRich

<https://nrich.maths.org/factorpuzzle>

Can you solve the problem?

Research the populations of 10 countries. Order the populations from largest to smallest.

Find the difference between the populations.

Round the populations to the nearest 100 000, 1 000 000 and 10 000 000

Construct a table to record your results.

Download a 100 square.

What percentage of numbers are even?

What percentages of numbers are both multiples of 3 and 6?

What percentage of numbers are prime numbers?

What percentage of numbers are factors of 72?

Create your own number fact and work out the percentage?

Can you create a number fact that is 25% of the 100 squares?

Can you create a number fact that is 10% of the 100 squares?

Who is the tallest person in your family? Who is the shortest? What is the average height of the people in your family?

What is the average age of your family?

Work out who in your family is nearest in age to 14 052 days old. Can you use approximation to help you? Can you use a written or mental method to help you calculate the answer?

Measure your heart rate when resting. Walk to the kitchen and back. What is your heart rate now? What's the difference?

Jog on the spot for 1 minute. What is your rate now? What is the difference between resting, walking and jogging?

Are you using a mental or written method to calculate the answer?

Create your own exercise session to last 20 minutes?

Which bits of the session do you think will raise your heart rate the most? In order to exercise safely, your session should start and finish gently with the maximum heart rate in the middle of the session.

Do you need to make any changes?

Ask a parent to take part in your exercise session and take their heart rate at different stages. What is the same and different about your heart rates and your parent's during your exercise session?