



Maths - activities you can do from home!

Draw a scale drawing of your bedroom. 10 POINTS	Design a board game using maths questions as part of the game. 10 POINTS	Find the time difference in 5 parts of the world. 10 POINTS	Write an end of topic test for someone in your class on your most recent topic. 10 POINTS	Using the article below, calculate the most expensive club to support. https://www.bbc.co.uk/news/uk-23723537 10 POINTS	Prove $1+1=2$ in the most complicated way you can. 10 POINTS	Demonstrate Pythagoras Theorem using physical objects. 10 POINTS	Identify 6 different shapes in your house. 10 POINTS	Write a maths dictionary with 20 words. 10 POINTS	Explain how to convert between centigrade and Fahrenheit. 10 POINTS
Calculate the ingredients needed to make 12 cupcakes. 10 POINTS	Design a menu for your family for a week. 10 POINTS	How long would it take for you to walk to the moon? 10 POINTS	How many different combinations can you make from a standard number plate? 10 POINTS	Write three "always, sometimes, never" sentences for maths. 10 POINTS	How many grains of rice would you need to fill your house? 10 POINTS	Draw around your hand and measure the span. Use this to estimate the length of rooms in your house. 10 POINTS	Design a revision poster on 3 topics you have studied so far. 10 POINTS	If paint costs £15 a tin and covers $12m^2$, estimate how much it will cost to decorate one room in your house. 10 POINTS	Find the average temperature each month for your hometown. Plot the information on a graph. 10 POINTS
Use origami to make a pentagon from a square. 10 POINTS	How many footballs would you need to go around the equator of the earth? 10 POINTS	Condense a topic onto one revision card. 10 POINTS	What does 24 carat gold mean? 10 POINTS	Using Lego, cutlery or any other objects, sort them into Venn diagrams. 10 POINTS	Write a list of 5 jobs that use maths. 10 POINTS	Learn Pi to 8 decimal places. 10 POINTS	Count how many steps it takes to walk around your bedroom. 10 POINTS	Write down a list of all the times you use maths in real life. 10 POINTS	Design an information sheet explaining how to convert between 12 and 24hour clock. 10 POINTS
How many seconds have you been alive? 10 POINTS	Pick a profession or career and try and list as many ways maths might be used in that job. 10 POINTS	How could you calculate the volume of your brain? 10 POINTS	How many different ways can you make 15p? 10 POINTS	Using up to four 4s and any of the 4 operations, how many numbers can you make? 10 POINTS	Show 4 different representations of a fraction. 10 POINTS	Write instructions on how to measure angles using a protractor. 10 POINTS	Explain the difference between significant figures and decimal places. 10 POINTS	Give an example to show when "two minus make a plus" is false. 10 POINTS	Write a question with -5 as the answer. 10 POINTS
Design a new flag. It must have at least one line of symmetry and three colours. 10 POINTS	How many Rice Krispies are there in a box? How could you estimate this without counting them? 10 POINTS	Investigate the London Eye. How many rotations does it make? How far does it travel each day? 10 POINTS	How long would it take for you to walk around the UK? 10 POINTS	Explain what a negative number is. 10 POINTS	Carry out a survey in your house; it could be on anything. Display the data using the appropriate chart. 10 POINTS	Make a crossword using key words for number. 10 POINTS	The average person uses 27 sheets of toilet paper a day. A toilet roll has 100 sheets. How many toilet rolls does a family of 4 need in a week? 10 POINTS	Create a coded message for someone else to crack. 10 POINTS	Can you find the minimum number of trips in the chicken, fox and corn problem? 10 POINTS
Draw a table showing different ways to classify shapes. 10 POINTS	Write a guide for parents about a topic in maths so that they can help with homework. 10 POINTS	Write a letter to a Year 6 pupil, explaining how maths will be similar and different at secondary school. 10 POINTS	Choose one piece of marked work in your book and re-do it, responding to feedback and making improvements where necessary. 10 POINTS	Explain how to convert fractions to decimals and percentages. 10 POINTS	Design cards to play the game Taboo with maths phrases. 10 POINTS	Write a question with a mark scheme on the topic of negative numbers. 10 POINTS	How many days in 1 million seconds? 10 POINTS	What is the only number to have the same number of letters as its meaning? 10 POINTS	Investigate different tests for divisibility of numbers. Create a poster to show these. 10 POINTS
Investigate a historical figure in mathematics and write a report on what you have learned. 10 POINTS	Write 10 quick questions on basic algebra skills. 10 POINTS	Create a Pinterest board on maths in nature. 10 POINTS	Investigate the Golden Ratio and its history. 10 POINTS	Keep a diary of the tasks you have done and the work you have completed over a week. 10 POINTS	Investigate numbers in the solar system. 10 POINTS	What is the difference between a factor and a multiple? Give an example of when you use both of these in maths. 10 POINTS	What is the first number to contain the letter 'a'? 10 POINTS	What is the only number to have all of its letters in alphabetical order? Find some other interesting maths facts. 10 POINTS	Create a tessellating pattern. 10 POINTS
If you travel halfway to town, 50km away at the speed of 25km/h, how fast do you have to go the rest of the way to have an average speed of 50km/h? 10 POINTS	54 is the smallest number that can be written as the sum of 3 squares in 3 ways. Can you find them? 10 POINTS	Find an example of impolite and polite numbers. 10 POINTS	Write 10 quick questions on basic shape skills. 10 POINTS	Write 10 quick questions on basic number skills. 10 POINTS	Write a list of 5 definitions of words linking to the topic of probability. 10 POINTS	What does the word 'equals' mean? Where does it originate? 10 POINTS	The number eight comes first if all numbers were arranged alphabetically. Which would come last? 10 POINTS	Use diagrams to explain how to draw straight line graphs. 10 POINTS	What is the lowest multiple of twelve that is a square number? 10 POINTS
Investigate the Konigsberg bridge problem. Design a poster to explain it. 10 POINTS	Create a maths crossword. 10 POINTS	Can you draw a house with a cross without taking your pen off the paper? Investigate this famous puzzle. Where do you need to start? 10 POINTS	Create a picture using coordinates. 10 POINTS	Make a mobius band out of a single piece of paper. 10 POINTS	Starting with the number 1 all the way to 1,000, how many 1s will you write down? 10 POINTS	Write a question where 360° is the answer. 10 POINTS	Design a worksheet which could be used by primary pupils. 10 POINTS	Make a quiz on any topic you have covered so far. 10 POINTS	Create a treasure hunt around your house using maths questions. 10 POINTS
What does the word percentage mean? 10 POINTS	Write 10 quick questions on basic statistics skills. 10 POINTS	Make a set of revision notes on any topic. 10 POINTS	Calculate the surface area of a room in your house. 10 POINTS	Investigate the average height of children over the last 100 years. 10 POINTS	Make a wordsearch using key words for shape. 10 POINTS	Write an article for a newspaper, explaining why you need maths in real life. 10 POINTS	Write a guide for how to add fractions. 10 POINTS	Can you explain why any number to the power of 0 is 1? 10 POINTS	Write a question with 'mean is 14' as the answer. 10 POINTS