

Find 10 different equivalent fractions for 7/8	Look for a tin or packet of food in the cupboard. Write down all the number facts you can find anywhere in the ingredients or instructions. How many different units of measurement can you find listed?	Change these decimal fractions to percentages: 0.2, 0.75, 0.33, 0.9, 0.09, 1.0, 5.0 Change these percentages into decimals: 75%, 95%, 1% 16% 100%	Look up the TV programmes for CBBC this morning. How many programmes are there? How long is each programme? What is the mean average length of the programmes to the nearest whole minute?	Use 3,4,9,0 to make as many versions of this number sentence as you can. $\square\square + \square\square =$ Now do $\square\square \square + \square =$ Finally do $\square\square \square - \square =$	http://www.mathematicshed.com/they-might-be-giants-shed.html Watch the video about zeroes. Write down the definition of zero. Explain it to someone else. Think of 10 different numbers with zero in a different place. Include fractions..
Find the prime numbers up to 200	Write a short story and use the number 4 as many times as you can. E.g. My 4 chickens laid 4 eggs at 4 o'clock. They shouted about it for 4 minutes and then....	http://www.mathematicshed.com/roman-numeral-shed.html Check out the balancing puzzle example. Go through the explanation. Make your own balancing puzzle mobile. Use different shapes and colours. Use the same rules for balancing as in the example.	Use a pack of cards. Shuffle and lay out ten cards randomly. Place the cards in a Venn diagram of two circles: 1 is labelled red cards, the other is labelled all even numbers. Overlap so there is an intersection if necessary. Which cards go in which circles? Which cards go in neither circle? Try again with a different set of 10. Is the Venn diagram the same?	Find ten different number sentences to make 360 Use all four operations. You can use them as many times as you like in one sentence. Use BODMAS.	Draw a square 12x12 cm square. Divide in thirds vertically and then into thirds horizontally so you have 9 equal parts. Draw a diagonal corner to corner across each ninth to make eighteen equal parts and then diagonally the other way to make 36 parts. Use four colours to make a pattern.
.Find squared numbers up to 200	Find ten different number sentences to make 36. Use all four operations. You can use them as many times as you like in one sentence. Use BODMAS.	Throw a coin so it lands head and tails. Do it 30 times. Tally the results. Make a pictogram where one coin equals 5 throws to show your results. Show the ratio of head to tails in its simplest form. Show the proportion of Heads to tails as a fraction	Play a new Pairs game. Divide an A4 sheet of paper into 16 equal rectangles to make a set of card. Write different pairs fractions and percentages on pairs of cards. Now shuffle and lay them out face down. How many turns do you take to pair them up?	Play nought and crosses on a piece of squared paper but don't draw a 3x3 grid – keep going across the paper. Use a strategy to win as any sets of 3 in a row.	Make a board game using 2 dice. You could make a track to travel along. You could choose a theme e.g. Your Dragon story – you could represent the ups and downs of your story in a game. You could use the Dragon Machine Story – e.g. Dragon sets book on fire in library – miss a go; buy bag of gobstoppers – throw dice again. Play the game to test it.

