

Year 4	Numbers & the number system	Fractions & shape	Operation & relationship between them	Written methods	Mental maths	Solving numerical problems
I know and understand	Use numbers 1 – 10 Find different ways to make 20. Use three numbers each time.	Find $\frac{1}{10}$ of 50. Use this to help you find $\frac{3}{10}$ of 50 and $\frac{8}{10}$ of 50.	Use the digits 6, 7, 8 and 9 write as many multiplication and their corresponding division sentences as you can.	Record the written method for: $847 + 326 =$ $759 - 326 =$ $36 \times 5 =$ $78 \div 5 =$	Solve these number sentences: $37 + 125 =$ $\pounds 3.23 + \pounds 2.41 =$ $473 - 234 =$ $45 \times 10 =$	When I multiply by 2, the last digit is an even number. Is this true?  Can you think of any other tables that have a pattern like this?
I can show what I know	Write a 4 digit number. Write the number 100 more than your number and 100 less. Try this with other numbers.	$\frac{1}{3}$ of ? is ?  How many ways can you make this true?	$42 \div ? = ?$  How many pairs of numbers fit into this division?	$189 \div 7 = 27$ Use the bus stop method to see if this is correct.  $31 \times 4 = 153$ Use the grid method to see if this is correct.	$45 \div 9 =$  Find the answer and explain to someone in your family how you worked it out.	If $5 \times 5 = 25$ then $25 \div ? = 5$ .  If $3 \times 8 = 24$ then $24 \div ? = 3$ Can you write at least 6 more number problems like this?
I can apply what I know	Two numbers have a difference of 12 and a total of 22. What are they? Can you make up more problems like this?	Try this website <a href="http://www.maths-games.org/fraction-games.html">http://www.maths-games.org/fraction-games.html</a>	Find different ways to share 48 cubes. Write number sentences for each	To make a smoothie you need: 4 apples 3 bananas 8 grapes 200ml milk 7 strawberries 11 blueberries  What would I need if I was making 4 smoothies? 6 ?	You need 2 (or more) players and a pack of cards Remove the King, Jack and Queen. Split the cards into 2 piles and place face down. Take turns to turn over the top card on each pile and multiply them together. If you are correct, keep the cards, if not, put them the bottom of the pile. The winner is the player with the most cards at the end.	Erica and her friends wanted to bake a cake. They need 2.5kg of sugar for the recipe. Sarah has 1.3kg of sugar, Tom has 1400g. How much sugar do they need to buy to have enough?  Solve and write a new word problem to solve.
I can create	Create a number pattern outside for a member of your family to solve.	Create a snap game using equivalent fractions.	A triangular room has two sides that are 34m and one side that is 51m. How far would I walk if I walked around the edges? Solve and create similar problems for someone in your family to solve.	Create some 'Steps to Success' to explain how to do grid multiplication and bus stop division.	Create a song to help you learn your 9 times table.	Can you create a colourful pattern to show $72 \div 9 = 8$ .  How many other division sums could you do this for?

