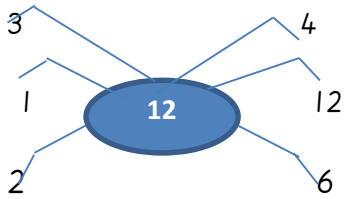
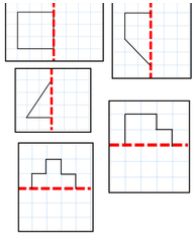
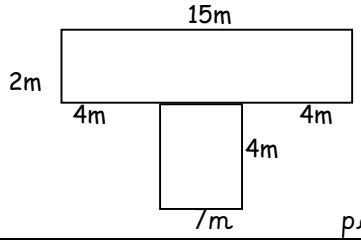
Help at Home- Year 4

Target	Example Questions	Ideas to try:
Recognise the place value of each digit in a four-digit number.	• Write the following as a number: Four thousand, two hundred and twenty eight. • What does the 9 represent in 9304?	How many different ways can you write 5510? *Pupils should suggest answers such as:* *551 tens* *55 hundreds and 1 ten* *5 thousands and 510 ones*
Solve addition and subtraction multi-step problems, deciding which operations and methods to use and why.	• I score 1932 points on my Xbox game on Monday and 312 on Tuesday. On Wednesday I scored 64 points. My brother scored 6435 points in the same week? How many more points did he score?	1932 + 312 4 (2+2) 40 (30+10) 1200 (900+300) 1000 2244 2244 + 64 8 (4+4) 100 (40+60) 200 2000 2308 Subtract from 6435 in the same way.
Recognise and use factor pairs.	• List 3 factors of 12. • What factors do 12 and 24 have in common? • What is the next multiple of 4 in this sequence: 4, 8, 12, …. , 20, 24	Factor bugs! 
Multiply two-digit and three-digit numbers by a one-digit number using a written layout.	• 825 x 7 = • 93 x 8 =	800 + 20 + 5 x 7 5,600 (800 x 7) 140 (20 x 7) 35 (5 x 7) 5,775
Multiply 3 single digit numbers	• 4x5x3 =	4x5 =20, 20x3 =60
Find the effect of dividing a one- or two-digit number by 10 and 100	• Gary has 20 marbles. John says "I have ten times less than you!" How many does John have? • 12 ÷ 10 = • 20 ÷ 100 =	Please don't tell children to 'add a zero,' as this causes complications in other areas of maths when working with decimals. The numbers move left or right around the decimal point:

Reflect a shape in a line of symmetry.	Reflect these shapes in the mirror line: 	Try painting on one half of a piece of paper. Fold it down the middle whilst the paint is wet, press down, and open it up to see your reflected pattern!
Identify acute and obtuse angles and compare and order angles up to two right angles by size,	• Measure the angle using a protractor. • Measure the angle and say whether it is acute (0-89°) obtuse (91-179°) or a right angle.	Invest in a pocket protractor. Ask the children to help with small DIY projects (if you're brave!) (On a long car journey) "How many acute / obtuse / right angles can you see?" "How many angles bigger/smaller than 90° can you see?"
Measure and calculate the perimeter of a rectilinear figure.	 Calculate the perimeter of the shape.	Calculate the perimeter of the garden by getting your child to add up (made up!) measurements you give them.
Describe positions on a 2-D grid as coordinates in the first quadrant.	What are the co-ordinates of the square? Label the co-ordinates of this shape.	A game of battleships is a great place to start with co-ordinates.

In addition to this, your child should know the 2, 5 and 10 times tables and division facts and be starting to recall the 3, 4 and 6 times tables and their corresponding division facts.