



Year 6 Autumn 1: Week 6 Maths Planning



Date	Learning Objective	Starter Activity	Main Teaching	Plenary Activity
12.10.20	✓ Finding fractions of amounts	Practise times tables on TT Rockstars	Complete Arithmetic Test Autumn 4	Work through any misconceptions from the test.
13.10.20	✓ Express missing number problems algebraically	<p>Solve the linear equations on the following site: https://www.transum.org/software/SW/Starter_of_the_day/Students/Equations.asp</p> <p>Prepare the children for algebraic thinking using the following site: https://www.transum.org/software/SW/Starter_of_the_day/Students/Stable Scales Quiz.asp</p>	<p>'I think of a number, multiply it by 2 and then add 4. The answer is 18. What number did I start with?' This is an example of algebra and often crops up in maths tests.</p> <p>Write this as an equation ($X \times 2 + 4 = 18$) Demonstrate how to solve it using the inverse operation.</p> <p>Complete 'Guess the Number'</p>	<p>Complete the algebra quiz to consolidate understanding: http://www.crickweb.co.uk/ks2numeracy-calculation.html</p> <p>(Scroll down to it!)</p>
14.10.20	✓ Recognise that shapes with the same areas can have different perimeters and vice versa	<p>Investigate perimeter at the following site: http://app.mymaths.co.uk/265-resource/perimeter</p> <p>(Slide 6)</p>	<p>Explain that in today we will be looking at pentominoes. These are plane geometric figures formed by joining five equal squares edge to edge.</p> <p>The starter activity on the following site introduces pentominoes perfectly: http://resources.hwb.wales.gov.uk/VTC/ngfl/maths/cynnal/pentominoes/pentominoes.htm</p> <p>Find all twelve pentominoes and draw them. Section One of the above site will introduce this investigation. For each one, they need to write the area and perimeter of each to see that the area is always the same but the perimeter can vary.</p>	<p>Show the 12 pentominoes on Section Two of the main site and ask the children to check theirs are correct.</p> <p>Ask the children which of the pentominoes has a line of symmetry.</p>
15.10.20 - 16.10.20			Health & Fitness Days in School	