





Miss Hughes' group – Gold reasoning and problem solving

<p>7a. Use the clues to work out the number.</p> <p>When I divide my number by 3, I get an odd number.</p> <p>The sum of its digits is more than five.</p> <p>My number is a multiple of 5 and is less than 30.</p> <p>★ GD PS</p>	<p>7b. Use the clues to work out the number.</p> <p>My number is an even multiple of three and is less than forty.</p> <p>The tens digit is smaller than the ones digit.</p> <p>My ones digit is the same as 2×3.</p> <p>★ GD PS</p>
<p>8a. Judy is planning a pattern. She writes down what shapes she will use.</p> <p>circle, circle, square, circle, circle, square</p> <p> The sixth shape in my pattern is a square, so the 10th and 15th shapes will also be squares.</p> <p>Is she correct? Explain your answer.</p> <p>★ GD R</p>	<p>8b. Trent is planning a pattern. He writes down what shapes he will use.</p> <p>star, star, triangle, star, star, triangle</p> <p> If I count in fives I will know which shapes will be triangles.</p> <p>Is he correct? Explain your answer.</p> <p>★ GD R</p>
<p>9a. There are 9 tools in a toolbox. How many tools would there be in 3 toolboxes?</p> <p></p> <p>Write the number sentence to show how you worked this out.</p> <p>★ GD PS</p>	<p>9b. There are 7 books on a shelf. How many books would there be on 3 shelves?</p> <p></p> <p>Write the number sentence to show how you worked this out.</p> <p>★ GD PS</p>