



Daily Maths
Challenge
Day 28

Maths Focus: Properties of number and shape

Helpful Hints: Think about all the different ways in which numbers and shapes can be different and write them down so you have some ideas of what to look out for

Level 1	Level 2	Level 3
<p>Lily has written down some numbers and has drawn some shapes. She has drawn a ring around the odd ones out.</p> <div style="display: flex; justify-content: space-around; border: 1px solid blue; padding: 5px;"> 1 4 5 </div> <div style="display: flex; justify-content: space-around; border: 1px solid blue; padding: 5px; margin-top: 10px;"> </div> <p>1. Explain why 4 is the odd one out. Possible reasons could include: it's even, it divides by 2, it's in the 2 times table plus any other valid reasons</p> <p>2. Explain why the triangle is the odd one out. Possible reasons could include: it only has 3 sides, it only has 2 lines of symmetry plus any other valid reasons</p>	<p>Lily has written down some numbers and has drawn some shapes. She has drawn a ring around the odd ones out.</p> <div style="display: flex; justify-content: space-around; border: 1px solid green; padding: 5px;"> 6 15 40 </div> <div style="display: flex; justify-content: space-around; border: 1px solid green; padding: 5px; margin-top: 10px;"> </div> <p>1. Give two different reasons why 6 is the odd one out. Possible reasons could include: it's divisible by 6, it won't divide by 5, it's a 1-digit number plus any other valid reasons</p> <p>2. Give two different reasons why the trapezium is the odd one out. Possible reasons could include: it only has one line of symmetry, it doesn't have any right angles, it has no perpendicular lines plus any other valid reasons</p>	<p>Lily has written down some numbers and has drawn some shapes. One of her numbers and one of her shapes are the odd one out.</p> <div style="display: flex; justify-content: space-around; border: 1px solid orange; padding: 5px; margin-bottom: 10px;"> 25 4 21 </div> <div style="display: flex; justify-content: space-around; border: 1px solid orange; padding: 5px;"> </div> <p>1. Complete each of these sentences with at least one reason.</p> <p><i>a) 25 could be the odd one out because...it's divisible by 5</i></p> <p><i>b) 4 could be the odd one out because...it's even or the only 1-digit number, the only number not in the 20s</i></p> <p><i>c) 21 could be the odd one out because...it's not a square number, it's divisible by 7</i></p> <p>2. Complete each of these sentences with at least one reason.</p> <p><i>a) The parallelogram could be the odd one out because...it has no lines of symmetry</i></p> <p><i>b) The trapezium could be the odd one out because... it only has one set of parallel lines/ not all it's sides at parallel</i></p> <p><i>c) The regular hexagon could be the odd one out because...it has more than 4 sides or it has more than one than 1 line of symmetry</i></p> <p style="text-align: center;">Plus any other valid reasons!</p>