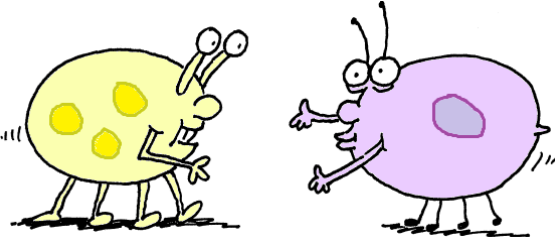
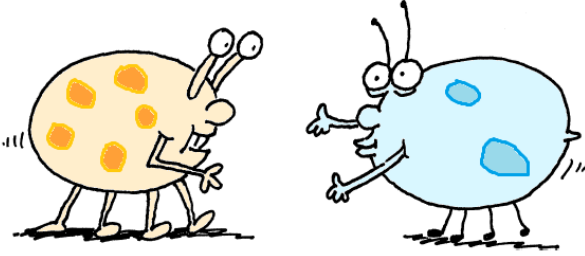
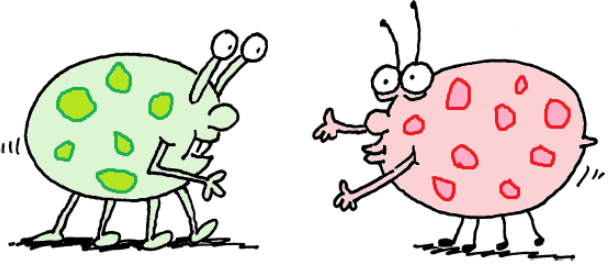


ANSWERS



Maths Focus: Repeated addition; multiplication and division; mathematical thinking and being systematic

Helpful Hints: Your knowledge of multiples will come in very useful for this activity. When you are thinking of possibilities, write them down as number sentences and try and be systematic in your approach.

Level 1	Level 2	Level 3
<p>Ellie spots some aliens from another planet! She counts up their spots.</p> <p>The yellow alien has 3 spots and the purple alien has 1 spot.</p>  <p>Altogether she counts 5 spots.</p> <p>1. How many yellow aliens and how many purple aliens must there be?</p> <p>1 yellow and 2 purple $3 + 1 + 1 = 5$</p>	<p>Ellie spots some aliens from another planet! She counts up their spots.</p> <p>The orange alien has 5 spots and the blue alien has 2 spots.</p>  <p>Altogether she counts 17 spots.</p> <p>1. How many orange aliens and how many blue aliens could there be? Find two possible solutions.</p> <p>3 orange and 1 blue $5 + 5 + 5 + 2 = 17$ 1 orange and 6 blue $5 + 2 + 2 + 2 + 2 + 2 + 2 = 17$</p>	<p>Ellie spots some aliens from another planet! She counts up their spots.</p> <p>The green alien has 6 spots and the red alien has 9 spots.</p>  <p>Altogether she counts 78 spots.</p> <p>1. How many green aliens and how many red aliens could there be? Find all the possible solutions. 4 solutions</p> <p>1 green and 8 red: $(1 \times 6 = 6) + (8 \times 9 = 72) = 78$ 4 green and 6 red: $(4 \times 6 = 24) + (6 \times 9 = 54) = 78$ 7 green and 4 red: $(7 \times 6 = 42) + (4 \times 9 = 36) = 78$ 10 green and 2 red: $(10 \times 6 = 60) + (2 \times 9 = 18) = 78$</p>