




# ANSWERS



Maths Focus: mathematical and logical thinking; systematic working; identifying patterns

Helpful Hints: Gives each child a number to make it easier to record and then write down the high fives systematically, starting with 1,2 for example . Remember that they only high five each other once.

Level 1	Level 2	Level 3
<p>Jacob is planning to meet up with 2 of his friends on Monday.</p>  <p>Each friend makes sure that they high five each other once.</p> <p>1. How many high fives happen in total?</p> <p>Child 1, child 2 Child 1, child 3 Child 3, child 2</p> <p><b>= 3 high fives</b></p>	<p>Jacob is planning to meet up with 4 of his friends on Tuesday.</p>  <p>Each friend makes sure that they high five each other once.</p> <p>1. How many high fives happen in total?</p> <p>Child 1, child 2      Child 2, child 3 Child 1, child 3      Child 2, child 4 Child 1, child 4      Child 2, child 5 Child 1, child 5  Child 4, child 5</p> <p>Child 3, child 4 Child 3, child 5</p> <p><b>= 10 high fives</b></p>	<p>Jacob is planning to meet up with 6 of his friends on Wednesday.</p>  <p>Each friend makes sure that they high five each other once with their left hand, and once with their right hand.</p> <p>1. How many high fives happen in total?</p> <p>Child 1, child 2      Child 2, child 3      Child 3, child 4 Child 1, child 3      Child 2, child 4      Child 3, child 5 Child 1, child 4      Child 2, child 5      Child 3, child 6 Child 1, child 5      Child 2, child 6      Child 3, child 7 Child 1, child 6      Child 2, child 7 Child 1, child 7  Child 4, child 5 Child 5, child 6      Child 4, child 6 Child 6, child 7      Child 5, child 7      Child 4, child 7</p> <p>21 high fives with the right hand 21 high fives with the left hand <b>= 42 high fives in total</b></p>