

Canonbury Home Learning

## Year 6 Maths

### Developing/ Expected/ Greater depth activity

#### Lesson 1

**LO: TBAT find the average (mean).**

**Task:** You are going to apply your knowledge to solve several problems including interpreting data from pie charts.

#### Success Criteria:

- |  |
|--|
| 1. Read the question carefully.              |
| 2. Add all the amounts together.             |
| 3. Divide the total by the amount of groups. |
| 4. Write your answer.                        |

#### **Recap:**

Please watch my model video.

**Mean**

The mean is the average or norm.

Add up all of the values to find a total.

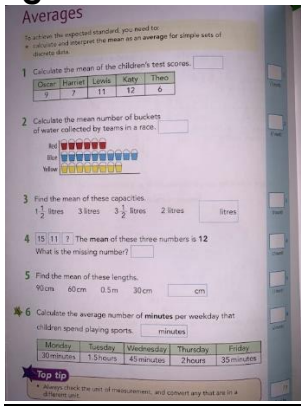
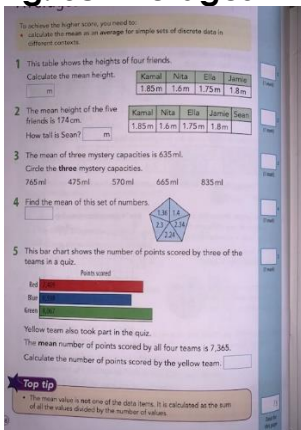


Divide the total by the number of values you added together.

$$2 + 2 + 5 + 6 + 7 + 8 = 30$$
$$30 \div 6 = 5$$

The mean number is

**5**

twinkl  
100 YEARS ON

<b>Task 1</b>	<b>Task 2</b>	<b>Task 3</b>																								
<p><b>SATs Book Activities</b> <b>Developing/ Expected</b> <b>Pg. 56</b></p>  <p><b>Greater Depth</b> <b>Pg. 58 Averages</b></p> 	<p><b>Arithmetic</b></p> <div style="background-color: #4a86e8; color: white; padding: 5px; margin-bottom: 10px;">15</div> $\begin{array}{r} 319 \\ \times 72 \\ \hline \end{array}$ <hr/> <div style="background-color: #4a86e8; color: white; padding: 5px; margin-bottom: 10px;">16</div> $\frac{1}{7} \text{ of } 602 =$ <hr/> <div style="background-color: #4a86e8; color: white; padding: 5px; margin-bottom: 10px;">17</div> $7.62 \times 7 =$ <hr/> <div style="background-color: #4a86e8; color: white; padding: 5px; margin-bottom: 10px;">18</div> $0.03 \times 7 =$ <hr/> <div style="background-color: #4a86e8; color: white; padding: 5px; margin-bottom: 10px;">19</div> $5\% \text{ of } 4200 =$ <hr/> <div style="background-color: #4a86e8; color: white; padding: 5px; margin-bottom: 10px;">20</div> $343.1 \div 1000 =$ <hr/> <div style="background-color: #4a86e8; color: white; padding: 5px;">21</div> $0.2 = \frac{?}{50}$	<p><b>Problem Solving/ Reasoning</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Task 1</b></p> <p>Last year, Jacob went to four concerts.</p> <p>Three of his tickets cost £5 each.</p>  <p>The other ticket cost £7</p>  <p>What was the <b>mean</b> cost of the tickets?</p> </div> <div style="width: 45%;"> <p><b>Task 2</b></p> <p>Seven children measured their heights.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Children</th> <th>Height (cm)</th> </tr> </thead> <tbody> <tr><td>Stefan</td><td>144</td></tr> <tr><td>Lara</td><td>136</td></tr> <tr><td>Olivia</td><td>142</td></tr> <tr><td>Chen</td><td>143</td></tr> <tr><td>Maria</td><td>152</td></tr> <tr><td>Dev</td><td>148</td></tr> <tr><td>Sarah</td><td>150</td></tr> </tbody> </table> <p>What is the mean height of the children?</p> </div> </div> <p><b>Task 3</b></p> <p>Megan goes on a walking holiday for five days.</p> <p>The table shows how far she walked on the first four days.</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Monday</th> <th>Tuesday</th> <th>Wednesday</th> <th>Thursday</th> </tr> </thead> <tbody> <tr> <td>14 km</td> <td>23 km</td> <td>13 km</td> <td>13 km</td> </tr> </tbody> </table> <p>Megan says,</p> <p style="text-align: center;"><b><i>'My average for the first four days is more than 15 km.'</i></b></p> <p>Explain why Megan is <b>correct</b>.</p>	Children	Height (cm)	Stefan	144	Lara	136	Olivia	142	Chen	143	Maria	152	Dev	148	Sarah	150	Monday	Tuesday	Wednesday	Thursday	14 km	23 km	13 km	13 km
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