

Lesson 4

L.O: I am learning to find the mean average (2).

Try your absolute best! That is all we are asking for 😊

| Key vocabulary: Average, Mean, Total, Product | Your answer | | | | | | | | | | | | | | | | |
|--|-------------|-------------|--------|-----|------|-----|--------|-----|------|-----|-------|-----|-----|-----|-------|-----|--|
| <p>Here are three numbers.</p> <div style="text-align: center;"> 7 8 3 </div> <p>Work out the mean of these numbers.</p> | | | | | | | | | | | | | | | | | |
| <p>Seven children measured their heights.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <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> | Children | Height (cm) | Stefan | 144 | Lara | 136 | Olivia | 142 | Chen | 143 | Maria | 152 | Dev | 148 | Sarah | 150 | |
| Children | Height (cm) | | | | | | | | | | | | | | | | |
| Stefan | 144 | | | | | | | | | | | | | | | | |
| Lara | 136 | | | | | | | | | | | | | | | | |
| Olivia | 142 | | | | | | | | | | | | | | | | |
| Chen | 143 | | | | | | | | | | | | | | | | |
| Maria | 152 | | | | | | | | | | | | | | | | |
| Dev | 148 | | | | | | | | | | | | | | | | |
| Sarah | 150 | | | | | | | | | | | | | | | | |
| <p>Two numbers have a mean of 12</p> <p>One of the numbers is 9</p> <p>What is the other number?</p> | | | | | | | | | | | | | | | | | |
| <p>Three numbers have a mean of 13</p> <p>Two of the numbers are 8 and 12</p> <p>What is the other number?</p> | | | | | | | | | | | | | | | | | |

Week 5_Maths_Lesson 4

The **mean** of three numbers is 5

One of these numbers is 2

What could the other numbers be?

Write them on the cards below.

| | | | |
|---|---|--|--|
| 2 |  | | |
|---|---|--|--|

What else could the numbers be?

Use **different numbers** from your answer above.

Write them on the cards below.

| | | | |
|---|---|--|--|
| 2 |  | | |
|---|---|--|--|

Hanif asked ten people:

'What is your favourite sport?'

Here are his results.

| | | | | |
|----------|----------|----------|---------|----------|
| football | cricket | football | hockey | swimming |
| hockey | swimming | football | netball | football |

Is it possible to work out the **mean** of these results?

Yes No

Explain how you know.

A person must be 1.40 metres, or taller, to ride on Nemesis in Alton Towers.

The mean (average) height of Tommy and his friends is 1.50 metres.

Tommy says

"We are all allowed to ride on Nemesis"

Explain why Tommy might be wrong.

Megan goes on a walking holiday for five days.

The table shows how far she walked on the first four days.

| Monday | Tuesday | Wednesday | Thursday |
|--------|---------|-----------|----------|
| 14km | 23km | 13km | 13km |

Megan says,

'My average for the first four days is more than 15km.'

Explain why Megan is **correct**.

Week 5_Maths_Lesson 4

Here are some cards with numbers on them.

1 1 2 3 5 8 13 21

Choose **three** numbers which have a mean of 4

_____, _____ and _____

Choose **four** numbers which have a mean of 4

_____, _____, _____ and _____

Choose **five** numbers which have a mean of 4

_____, _____, _____, _____ and _____

Evaluation

How would you rate your understanding of the mean out of 10) and why?