Y6 Mean

KS2 Y6 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

Find the mean of 4, 7, 9, 12 and 8.

Step 1 · Add the values

$4 + 7 + 9 + 12 + 8 = 40$

Step 2 · Divide by how many values there are (5)

$40 \div 5$

Answer: 8

Check: If everyone had 8, the total would be $5 \times 8 = 40$ ✓

2. Now try one with the steps

Mo scored 15, 18, 12 and 20 in four quizzes. What was his mean score?

Step 1 · Total

Step 2 · 65 ÷ 4

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. Find the mean of 3, 5, 7, 9 and 11.

2. Find the mean of 10, 20 and 30.

3. Find the mean of 6, 8 and 10.

4. Find the mean of 2, 4, 6 and 8.

5. Find the mean of 12, 15, 9 and 14.

6. Four children are 120 cm, 135 cm, 128 cm and 141 cm tall. What is their mean height?

7. Spelling test scores: 7, 9, 6, 10, 8. What is the mean score?

8. The mean of 5 numbers is 9. What is their total?

9. The mean of four numbers is 6. Three of them are 5, 7 and 8. What is the fourth?

10. 84 mm of rain fell in a week. What was the mean daily rainfall?

11. A cricketer scored 24, 0, 56, 12 and 38 runs. What was her mean score?

12. The mean age of 3 children is 10. A fourth child aged 14 joins them. What is the new mean age?

13. Can the mean be a number that is not in the data? Give an example.

14. Find the mean of 1, 2, 3, 4 and 100. Explain why it might be a misleading average.

15. Team A scored 2, 3, 1 and 2 goals. Team B scored 0, 5, 0 and 3. Which team has the higher mean number of goals?

4. Before you hand it in

Dividing by the wrong number, such as 4 when there are 5 values.
Count the values carefully, including any zeros, before dividing.

Leaving out a 0 when adding: 24, 0, 56, 12, 38 → 130 ÷ 4.
A zero is still a value. There are 5 scores, so divide by 5: 26.

Thinking the mean must be one of the numbers in the list.
The mean is the total shared equally; it can be any number, including a decimal.