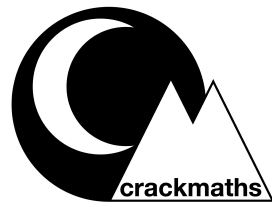# 62. How to calculate the mean from a set of data

Scenario Questions:

1. Sarah recorded the number of hours she spent studying for five exams: 4, 6, 5, 7, and 8. What is the mean number of hours she studied?

2. A soccer team scored 3, 2, 4, 1, and 5 goals in their last five matches. What is the mean number of goals they scored per match?

3. James recorded the distances he ran in five consecutive days: 3 km, 4 km, 5 km, 2 km, and 6 km. What is the mean distance he ran per day?

4. The prices of five different shirts at a store are £20, £15, £25, £18, and £22. What is the mean price of the shirts?

5. Sophie's scores in five math quizzes were 80, 85, 90, 92, and 95. What is the mean score she received in the quizzes?

Scenario Questions:

6. The mean of the test scores of four students is 80. If a fifth student joins the group and the mean of all five students becomes 85, what was the test score of the fifth student?

7. The mean of the heights of three friends is 150 cm. If a fourth friend joins the group and the mean height becomes 165 cm, what is the height of the fourth friend?

8. The mean age of a group of five siblings is 12 years. If a sixth sibling is discovered and the mean age becomes 14 years, what is the age of the sixth sibling?

9. The mean weight of two bags of apples is 3 kg. If a third bag is added and the mean weight becomes 4 kg, what is the weight of the third bag?

10. The mean daily temperature of a city for six days is 25° Celsius. If on the seventh day, the mean temperature becomes 23° Celsius, what was the temperature on the seventh day?

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Scenario Questions: **Answers**

1. Sarah recorded the number of hours she spent studying for five exams: 4, 6, 5, 7, and 8. What is the mean number of hours she studied?

1. The mean is 6

2. A soccer team scored 3, 2, 4, 1, and 5 goals in their last five matches. What is the mean number of goals they scored per match?

2. The mean is 3

3. James recorded the distances he ran in five consecutive days: 3 km, 4 km, 5 km, 2 km, and 6 km. What is the mean distance he ran per day?

3. The mean is 4

4. The prices of five different shirts at a store are £20, £15, £25, £18, and £22. What is the mean price of the shirts?

4. The mean is £20.

5. Sophie's scores in five math quizzes were 80, 85, 90, 92, and 95. What is the mean score she received in the quizzes?

5. The result is 88.4.

6. The mean of the test scores of four students is 80. If a fifth student joins the group and the mean of all five students becomes 85, what was the test score of the fifth student?

6. The fifth score is 105.

7. The mean of the heights of three friends is 150 cm. If a fourth friend joins the group and the mean height becomes 165 cm, what is the height of the fourth friend?

7. The fourth friend is 210 cm.

8. The mean age of a group of five siblings is 12 years. If a sixth sibling is discovered and the mean age becomes 14 years, what is the age of the sixth sibling?

8. The sixth sibling is 24

9. The mean weight of two bags of apples is 3 kg. If a third bag is added and the mean weight becomes 4 kg, what is the weight of the third bag?

9. The third bag is 6 kg.

10. The mean daily temperature of a city for six days is 25 degrees Celsius. If on the seventh day, the mean temperature becomes 23 degrees Celsius, what was the temperature on the seventh day?

10. The seventh day is 11°C.