

# Summer Term Maths Year 10

Day  
**2**  
Week 10

Know the averages and when each average is appropriate

**1** Find the mean of each set of data.

- a) 2 kg, 5 kg, 8 kg, 4 kg, 11 kg
- b) 0, 3, 9, 2, 2, 11, 15, 32, 7
- c) 2.75 m, 8.34 m, 5 m, 12.3 m
- d) 200 g, 300 g, 480g, 1.1kg

**2** Find the median of each set of data.

- a) 2, 4, 5, 8, 11
- b) 2, 5, 8, 4, 11
- c) 63p, £1.40, £4.10, 80p
- e) 1.7m, 90 cm, 35 cm, 3 m, 125 cm

**3** Find the mode of each set of data.

- a) 5, 1, 3, 2, 9, 3
- b) 17, 11, 9, 9, 17, 6, 9
- d) 0, 1, 2, 3, 4, 5, 6, 7
- e) red, blue, red, orange, yellow, green, yellow, blue, red, red, white

**4** Six numbers have a mode of 19, a mean of 12 and a median of 14

Fill in the cards to show what the numbers could be.

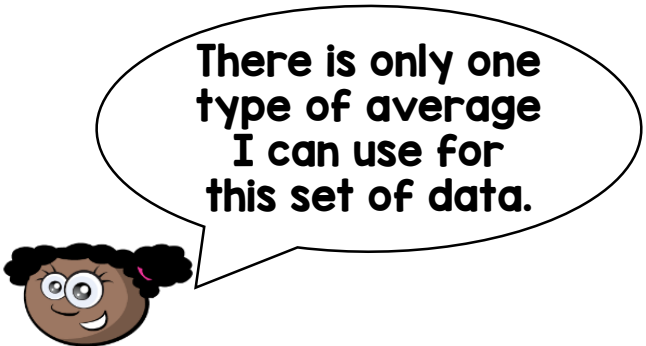
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- 5** Whitney asks a group of friends what their favourite colour is.



There is only one type of average I can use for this set of data.

Whitney is correct. Circle the average she can use.

mean                  median                  mode

Explain your choice.

- 6** Amir is practicing his long jump for school sports day.

Here are the distances he jumps:

0.36 m   3.27 m   3.66 m   2.99 m   3.92 m

- Explain why the mode would not be a good average to use to represent Amir's long jump distances.
- Work out the mean long jump distance.
- Work out the median distance.
- Which is the best average to represent the distances Amir has jumped?