

Choosing the Best Average

ANSWERS

1

Which average describes the group better?



Goals for 5 players

2, 3, 3, 4, 13

Median 3

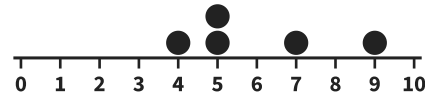
Mean $25 \div 5 = 5$

an outlier no outlier

Better: mean median

2

Which average describes the group better?



Pets owned by 5 friends

4, 5, 5, 7, 9

Median 5

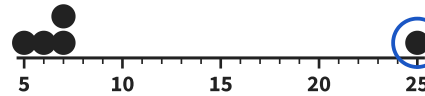
Mean $30 \div 5 = 6$

an outlier no outlier

Better: mean median

3

Which average describes the group better?



Texts sent by 5 friends

5, 6, 7, 7, 25

Median 7

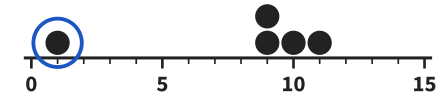
Mean $50 \div 5 = 10$

an outlier no outlier

Better: mean median

4

Which average describes the group better?



Quiz scores for 5 students

1, 9, 9, 10, 11

Median 9

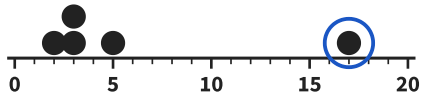
Mean $40 \div 5 = 8$

an outlier no outlier

Better: mean median

5

Which average describes the group better?



Hours of TV in a week for 5 friends

2, 3, 3, 5, 17

Median 3

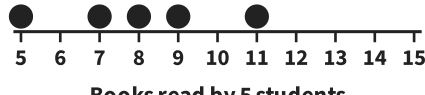
Mean $30 \div 5 = 6$

an outlier no outlier

Better: mean median

6

Which average describes the group better?



Books read by 5 students

5, 7, 8, 9, 11

Median 8

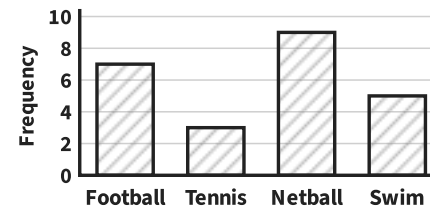
Mean $40 \div 5 = 8$

an outlier no outlier

Better: mean median

7

Favourite sports in a class.
Which average can describe this group?



The data are numbers words

mean median mode

It is Netball

8

Nine friends say which pet they like best. Which average can describe this group?



The data are numbers words

mean median mode

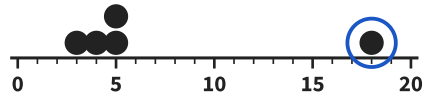
It is dog

Choosing the Best Average *further practice*

ANSWERS

9

Which average describes the group better?



Minutes late for 5 buses

3, 4, 5, 5, 18

Median 5

Mean $35 \div 5 = 7$

an outlier no outlier

Better: mean median

10

Which average describes the group better?



Lengths of 5 worms (cm)

1, 11, 12, 12, 14

Median 12

Mean $50 \div 5 = 10$

an outlier no outlier

Better: mean median

11

Which average describes the group better?



Pocket money for 5 friends (£)

£4, £5, £7, £8, £11

Median £7

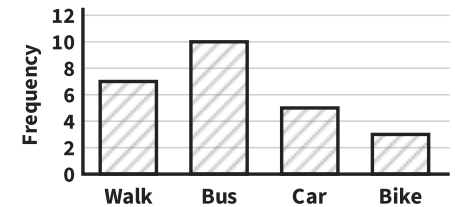
Mean $£35 \div 5 = £7$

an outlier no outlier

Better: mean median

12

How students get to school. Which average can describe this group?



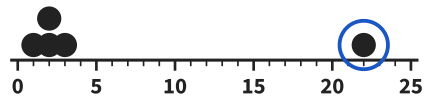
The data are numbers words

mean median mode

It is Bus

13

Which average describes the group better? Give a reason.



Goals for 5 players

1, 2, 2, 3, 22

Median 2

Mean $30 \div 5 = 6$

Better the median

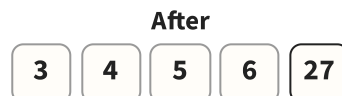
Why 22 is an outlier

14

The 7 changes to 27. Which average changes, the mean or the median?



Before



After

Before mean 5, median 5

After mean 9, median 5

Answer the mean

15

Ring the best average for each set of data.

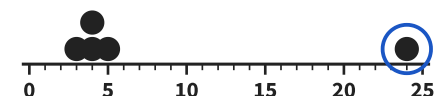
(a) 1, 3, 3, 4, 14
mean median mode

(b) red, blue, red, red, green
mean median mode

(c) 5, 6, 7, 8, 9
mean median mode

16

Kim says the mean, 8, describes this group well. Explain why she is wrong.



Score

3, 4, 4, 5, 24

The mean is pulled up by the outlier, 24. Use the median, 4.

Better the median, 4