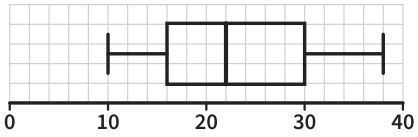
Box plots

1

The box plot shows the ages of the people on a bus. Write down the five values. Find the interquartile range.

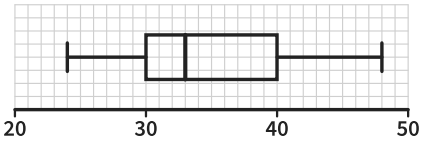


Lowest	Lower quartile	Median	Upper quartile	Highest
10	16			

Interquartile range

2

The box plot shows the marks in a spelling test. Write down the five values. Find the interquartile range.

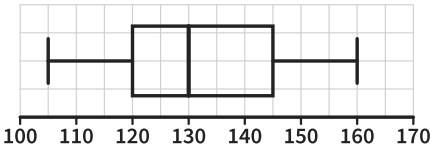


Lowest	Lower quartile	Median	Upper quartile	Highest
24				

Interquartile range

3

The box plot shows the heights, in cm, of some sunflowers. Write down the five values. Find the interquartile range.

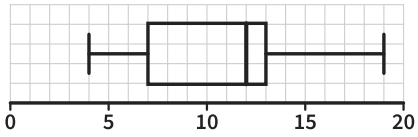


Lowest	Lower quartile	Median	Upper quartile	Highest

Interquartile range

4

The box plot shows how many texts some people sent in a day. Write down the five values. Find the interquartile range.



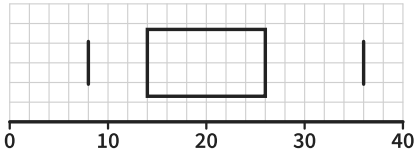
Lowest	Lower quartile	Median	Upper quartile	Highest

Interquartile range

5

The times, in minutes, some people waited at a doctor's. Draw a box plot. Find the interquartile range.

Lowest	Lower quartile	Median	Upper quartile	Highest
8	14	20	26	36

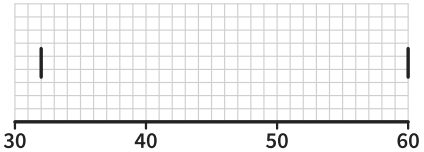


Interquartile range

6

The masses, in kg, of some dogs. Draw a box plot. Find the interquartile range.

Lowest	Lower quartile	Median	Upper quartile	Highest
32	41	45	52	60

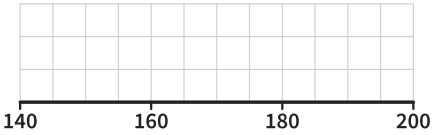


Interquartile range

7

The lengths, in cm, of some snakes. Draw a box plot. Find the interquartile range.

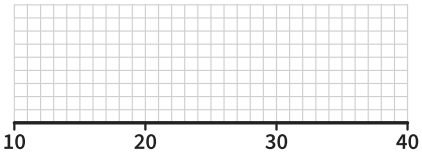
Lowest	Lower quartile	Median	Upper quartile	Highest
150	165	175	180	195



Interquartile range

8 *Notice the change!*

The lowest is 12, the upper quartile is 29, the median is 23, the highest is 38 and the lower quartile is 16. Draw a box plot. Find the interquartile range.



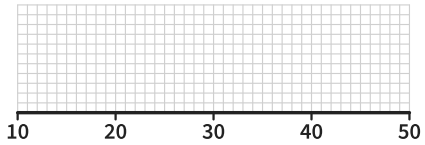
Interquartile range

Box plots *further practice*

9

Draw a box plot for these marks.
Find the interquartile range.

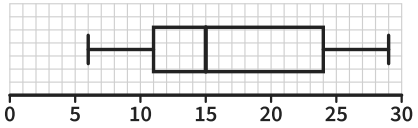
Lowest	Lower quartile	Median	Upper quartile	Highest
18	25	30	36	44



Answer _____

10

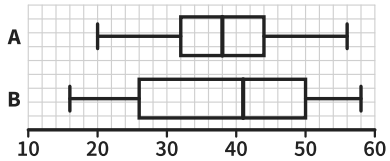
The box plot shows the ages of some swimmers. Find the median, the range and the interquartile range.



Answer _____

11

The box plots show the scores of two teams, A and B. Compare the scores.



Answer _____

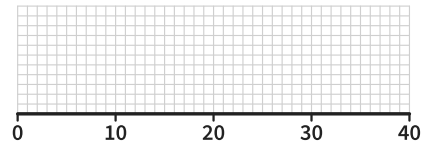
12

A box plot shows the heights of 60 plants. How many plants are taller than the upper quartile?
How many are between the lower quartile and the median?

Answer _____

13

The lowest is 8 and the range is 30.
The lower quartile is 14 and the interquartile range is 12.
The median is 19. Draw the box plot.



Answer _____

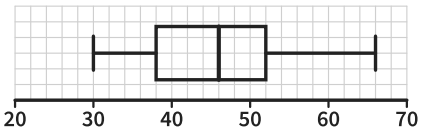
14

Lowest 6, lower quartile 15, median 21, upper quartile 27, highest 40.
Sam says the interquartile range is 34.
Explain his mistake.

Answer _____

15

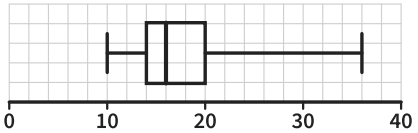
The box plot shows the times, in minutes, of 80 runners in a race.
About how many runners took longer than 46 minutes?



Answer _____

16

The box plot shows some quiz scores.
Mo says more people scored over 20 than under 14, because that whisker is longer. Is he right?



Answer _____