

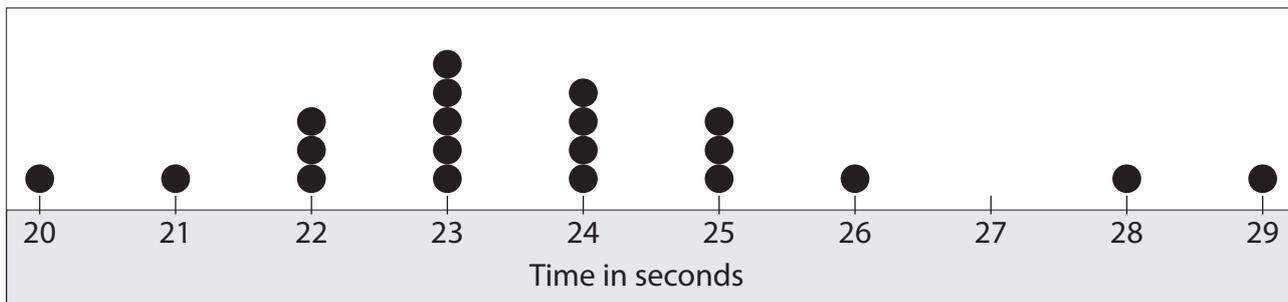
1. A farmer measures the lengths of 20 carrots to see that the crop is growing well. Here are the measurements, in centimetres.

13, 13, 14, 14, 14, 16, 16, 17, 17, 17, 17, 18, 18, 18

Create a dot plot of the measurements using this scale. The graph in Question 2 is a dotplot.

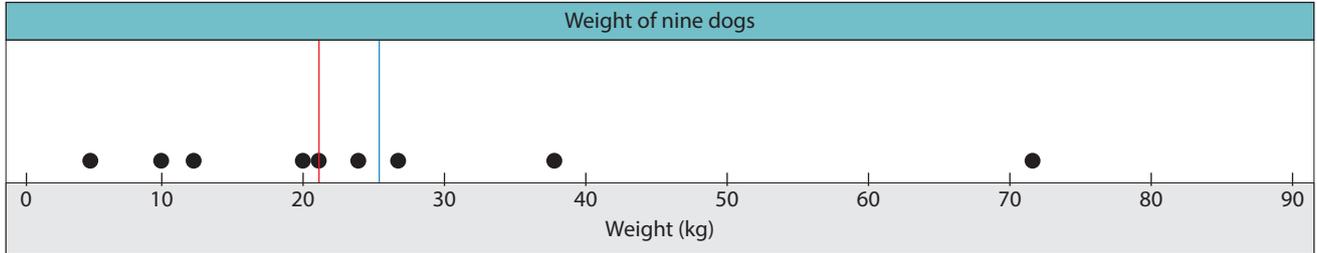


2. All the students in Room Six sprinted 100 metres. Their times in seconds are shown on this dot plot.



- a. How many seconds more did the slowest runner take than the fastest runner?
- b. What is the **middle** time for the students in Room Six?

3. This dot plot shows the weights of nine dogs at Doggie Daycare. The weights, in kilograms, are 5, 10, 12, 20, 21, 24, 27, 38, and 72.



One line shows the median and the other line shows the mean.

Which line shows the median?

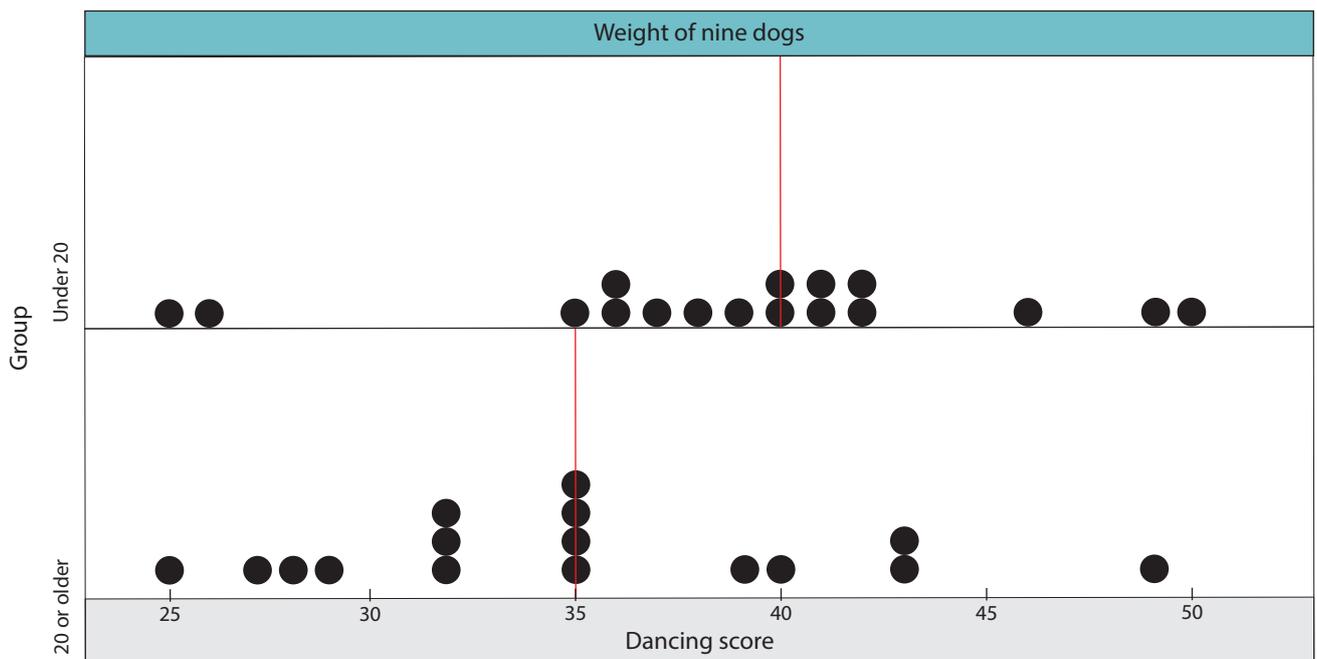
Which line shows the mean?

Explain how you know.

4. This dotplot shows total scores that dancers earned at a Hip Hop competition.

The highest score possible was 50 points.

The red line shows the median for each group, dancers under the age of 20 years, and dancers 20 years and over.



Which group were the better dancers?

Explain your answer using information from the graph.