

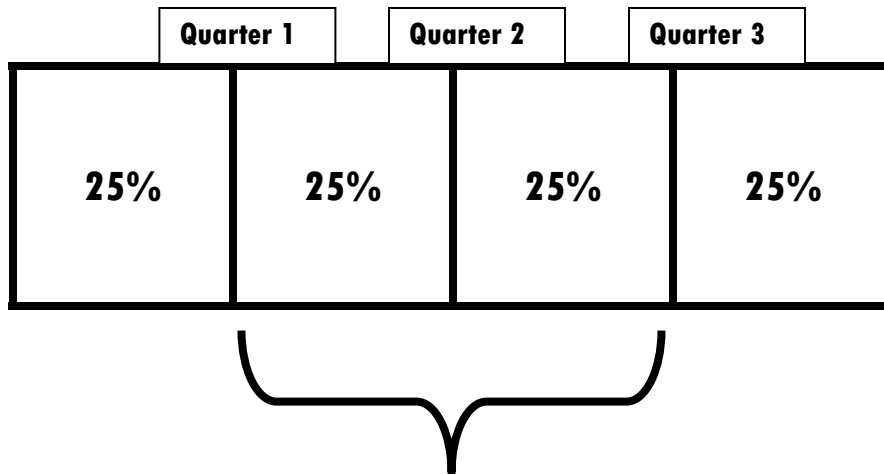
Name _____

Date _____

Determining Interquartile Ranges Lesson

Determine the interquartile range of the data set: 8, 7, 5, 4, 2, 8, 4

The Interquartile Range is the range between the first and third quarter. We can visually see this below:

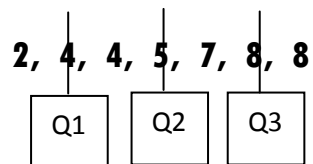


Interquartile Range = Quarter 3 – Quarter 1

Step 1: Arrange the numbers in order.

8, 7, 5, 4, 2, 8, 4 becomes 2, 4, 4, 5, 7, 8, 8

Step 2: Cut the set into quarters:



Step 3: Find the difference of Q3 and Q1.

$$Q3 = 8$$

$$Q1 = 4$$

$$Q3 - Q1 = \text{Interquartile Range}$$

$$8 - 4 = 4$$

$$\text{Interquartile Range} = 4$$