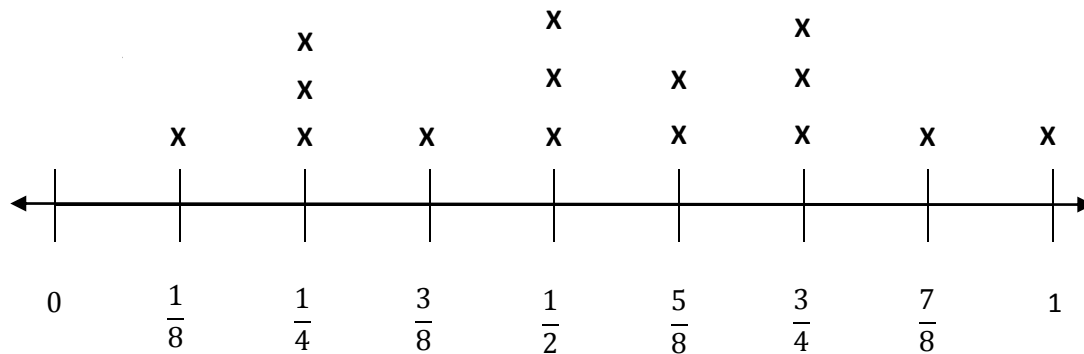


Name: _____ Date: _____

Line Plots

Answer the questions by using the line plot below.



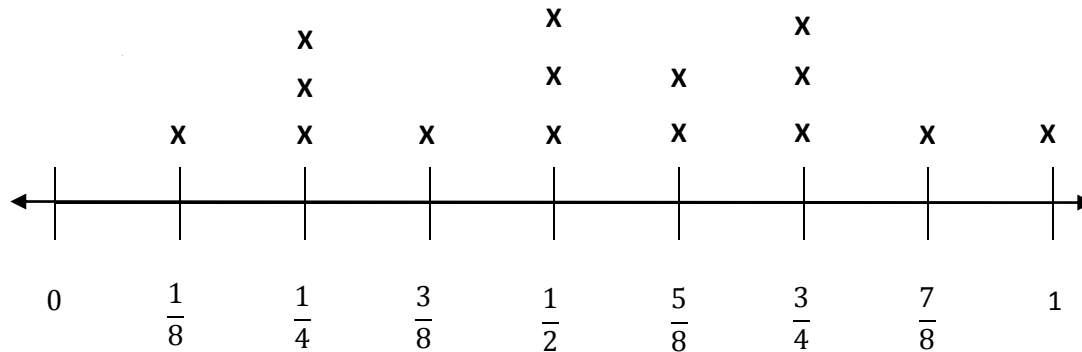
Length of Pencils (inches)

1. Jerry recently found a basket containing pencils of various lengths. He then sorted the pencils based on their lengths. The line plot above shows their sizes. If Jerry lines up all of the $\frac{3}{4}$ inch pencils end to end, what would the total length of the pencils be?
2. Based on question 1 above, how much larger is a $\frac{7}{8}$ inch pencil than a $\frac{1}{4}$ inch pencil?
3. Based on question 1 above, what is the difference in size between the longest pencil and the shortest pencil?
4. How many times longer is the length of the longest pencil when compared to the length of the shortest pencil?
5. If the length of all of the pencils when joined together equals 20 inches, what is the average length of each pencil?

Name: _____ Date: _____

Line Plots

Answer the questions by using the line plot below.



Length of Pencils (inches)

1. Jerry recently found a basket containing pencils of different lengths. He then sorted the pencils based on their various lengths. The line plot above shows the distribution their sizes. If Jerry lines up all of the $\frac{3}{4}$ inch pencils end to end, what would the total length of the pencils combined?

$$\frac{3}{4} \times 3 = \frac{9}{4} = 2 \frac{1}{4} \text{ inches}$$

2. Based on question 1 above, how much larger is a $\frac{7}{8}$ inch pencil than a $\frac{1}{4}$ inch pencil?

$$\frac{7}{8} - \frac{1}{4} = \frac{5}{8} \text{ inch}$$

3. Based on question 1 above, what is the difference in size between the longest pencil and the shortest pencil?

$$1 - \frac{1}{8} = \frac{7}{8} \text{ inch}$$

4. How many times longer is the length of the longest pencil when compared to the length of the shortest pencil?

$$1 \div \frac{1}{8} = 8 \text{ times longer}$$

5. If the length of all of the pencils when joined together equals 10 inches, what is the average length of each pencil?

$$10 \div 15 = \frac{2}{3} \text{ inch}$$