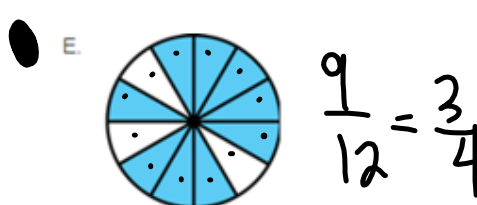
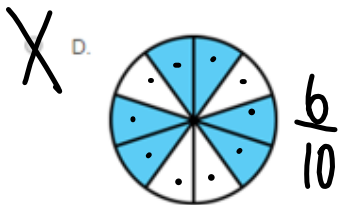
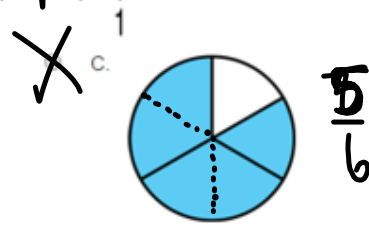
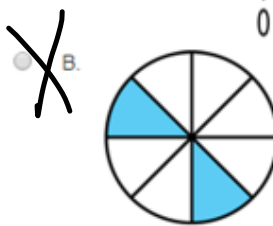
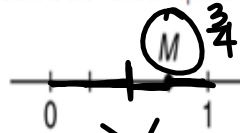


Algebra 1 - CPA

October 10, 2016

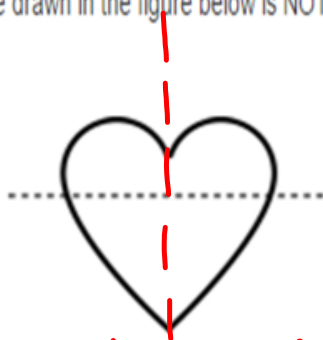
### Bell Ringers

1. Juliana divided the part of a number line from 0 to 1 into sections of equal length. She plotted point  $M$  on the number line, as shown below. One of the following circles is shaded to represent a fraction that is equivalent to the number represented by point  $M$ . Which one?



2 Explain what a line of symmetry is.

Explain why the dashed line drawn in the figure below is NOT a line of symmetry for the figure.



a line that cuts a shape into 2 equal parts.

A container at a deli has exactly 5 pounds of cheese slices. Each cheese slice weighs exactly 2 ounces. How many total cheese slices are in the container?

3. Enter your answer in the box below.

cheese slices

5 pounds

2 oz per slice

How many slices are in the container?

$$1 \text{ pound} = \frac{16 \text{ oz}}{2 \text{ oz}} = 8 \text{ slices}$$

$$5 \text{ pounds} (8 \text{ slices}) = 40 \text{ slices.}$$

## 3.6: Page 167: Absolute Value Equations (and Inequalities)

absolute value - is the **distance** a number is away from zero.

$$\text{ex.) } |8| = 8$$

$$\text{ex.) } |-8| = 8$$

$$\text{ex.) } |x| = 14$$

↙                      ↘

$$x = 14 \qquad x = -14$$

$$\text{ex.) } |x| + 5 = 9$$

$\begin{array}{r} -5 \quad -5 \\ \hline |x| = 4 \end{array}$

↙                      ↘

$$x = 4 \qquad x = -4$$

ex.)  $|x+2| = 15$

$$\begin{array}{r} x+2=15 \\ -2 \quad -2 \\ \hline x=13 \end{array}$$

$$\begin{array}{r} x+2=-15 \\ -2 \quad -2 \\ \hline x=-17 \end{array}$$

$$\frac{\cancel{3} |x-4|}{\cancel{3}} = \frac{15}{3}$$

$$|x-4| = 5$$

$$\begin{array}{r} x-4 = 5 \\ +4 \quad +4 \\ \hline \end{array}$$

$$x = 9$$

$$\begin{array}{r} x-4 = -5 \\ +4 \quad +4 \\ \hline \end{array}$$

$$x = -1$$

Assignment  
pg 169-170  
#(1-20)