Multiplying Fractions on Number Lines
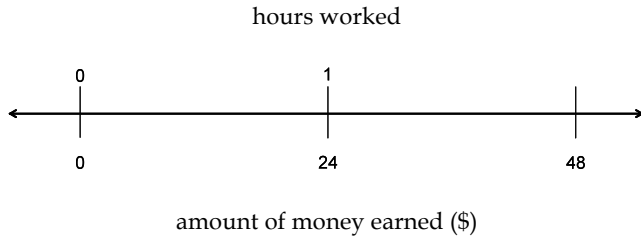
Use a double number line and write a multiplication sentence to answer each of the questions below.
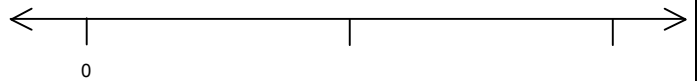
1. Maddie earns \$24 an hour. How much will she make if she works $\frac{3}{8}$ of an hour?	2. Rachael earns \$8 an hour selling popcorn? How much will she earn if she works $\frac{3}{4}$ of an hour?

1. Maddie earns \$24 an hour. How much will she make if she works $\frac{3}{8}$ of an hour?

hours worked

amount of money earned (\$)

Multiplication Sentence:

_____ X _____ = _____

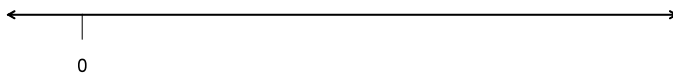| # of hours worked | amount earned per hour | amount of money earned |

2. Rachael earns \$8 an hour selling popcorn? How much will she earn if she works $\frac{3}{4}$ of an hour?

Multiplication Sentence:

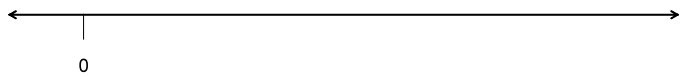_____ X _____ = _____

| # of hours worked | amount earned per hour | amount of money earned |

3. There are 24 students that went camping. $\frac{5}{6}$ of the students are girls. How many girls went camping?

Multiplication Sentence:

4. Andrew earns \$40 an hour building Legos. How much will he earn if he works $\frac{7}{4}$ hours?

Multiplication Sentence:

Solve each problem by drawing a picture or a number line.

5.

$$\frac{1}{2} \times 26 =$$

6.

$$\frac{3}{8} \times 16 =$$

7. Shadow ate $\frac{4}{4}$ of a brownie. A whole brownie has 120 calories. How many calories did Shadow eat?

8. There are 6 adults in this classroom. Matt wants to give $\frac{5}{8}$ of a doughnut to each adult. How many doughnuts will he need?

9. Leah buys 36 flowers at the plant sale. She plants $\frac{2}{9}$ of the flowers in the front yard. How many flowers does she plant in the front yard?

10. Lew wants to sell $\frac{3}{4}$ of his baseball card collection on E-bay. If he has 224 baseball cards in his collection, how many cards will he be selling?