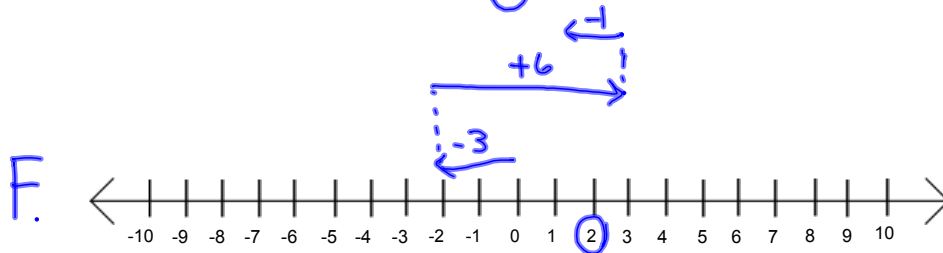
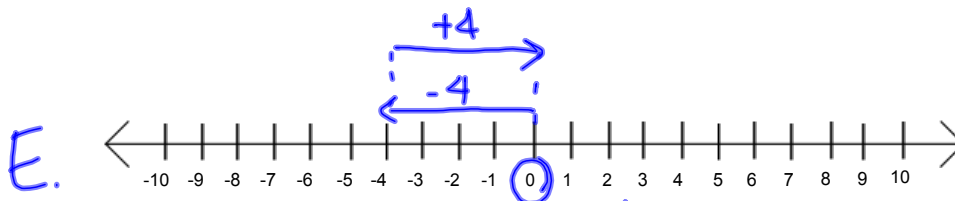
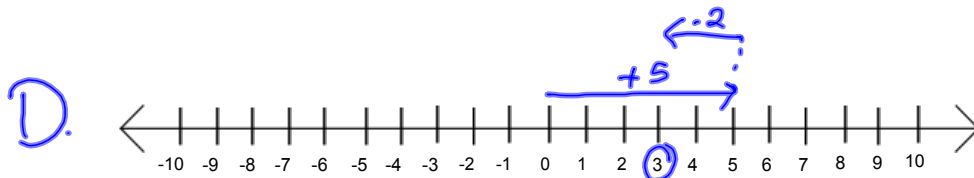
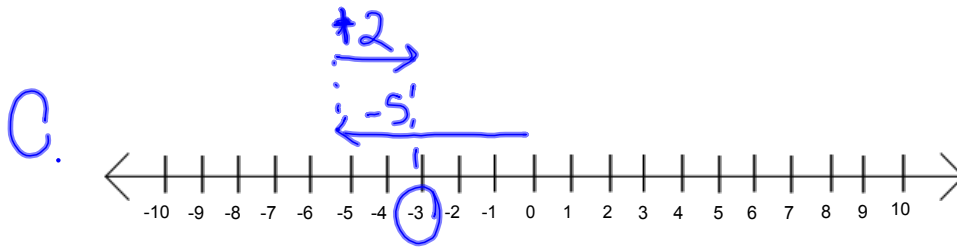
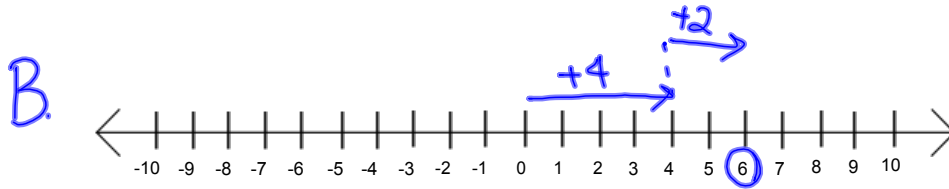
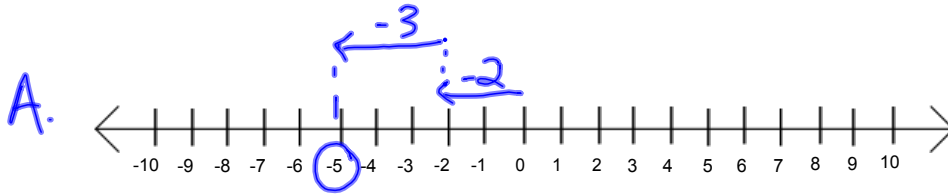


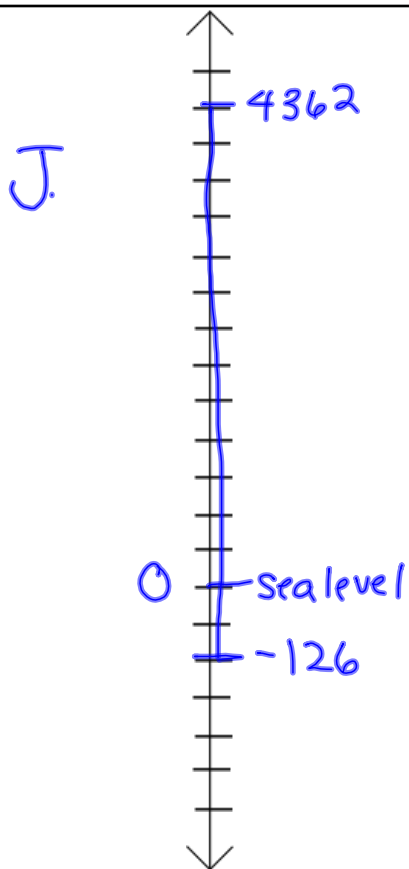
## Lesson 59 Practice Set A-K



$$\begin{array}{r} \text{G. } | -3 | + | 3 | \\ 3 + 3 \\ 6 \end{array}$$

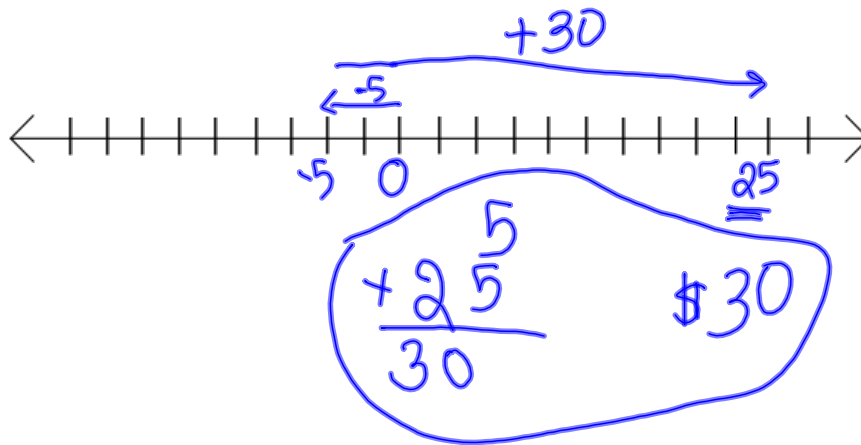
$$\begin{array}{r} \text{I. } | 5 - 3 | \\ | 2 | \\ 2 \end{array}$$

$$\begin{array}{r} \text{H. } | 3 - 3 | \\ | 0 | \\ 0 \end{array}$$



$$\begin{array}{r} 4362 \\ + 126 \\ \hline 4488 \text{ ft} \end{array}$$

K.



## 7th Grade Lesson 60

- I can solve a fractional-part-of-a-number problem by translating the equation into an equation and then solving the equation.
- I can translate a percent problem into an equation, convert the percent to either a fraction or a decimal, and solve the problem.

## Fractional-Part-of-a-Number

$$F \cdot A = B$$

Three fifths of 120 is what number?

$$\frac{3}{5} \cdot \frac{120}{1} = B$$

$$72 = B$$

$$\begin{array}{r} 31 \\ \times 0.6 \\ \hline 18.6 \end{array}$$

What number is 0.6 of 31?

$$0.6 \cdot 31 = B$$

$$18.6 = B$$

## Percent-of-a-Number

\*Need to convert the percent to a decimal or fraction.

The jacket sold for \$75. Forty percent of the selling price was profit.  
How much money is 40% of \$75?

$$40\% = \frac{40}{100} = \frac{2}{5}$$

$$\frac{2}{5} \cdot \frac{75}{1} = B$$

$$30 = B$$

$$\$30$$

A certain used-car salesperson receives a commission of 8% of the selling price of a car. If the salesperson sells a car for \$3600, how much is the salesperson's commission?

$$8\% = 0.08$$

$$\begin{array}{r} 3600 \\ \times 0.08 \\ \hline 288.00 \end{array}$$

$$0.08 \cdot 3600 = B$$

$$288 = B$$

$$\$288$$

What number is 25% of 88?

$$25\% = 0.25$$

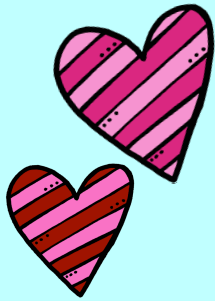
$$\begin{array}{l} 0.25 \cdot 88 = B \\ 22 = B \end{array}$$

$$\begin{array}{l} \frac{1}{4} \cdot \frac{88}{1} = B \\ 22 = B \end{array}$$

$$25\% = \frac{1}{4}$$

$$\begin{array}{r} 88 \\ \times 25 \\ \hline 440 \\ 1760 \\ \hline 2200 \end{array}$$

## Assignment:



Problem Set 60 #3-6, 8-14, 22, 24, 28, 30