

Name:

ANSWERS!

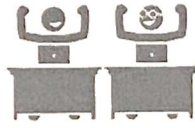
Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

## Part 4-5 Classwork

Calculators OK

$$\frac{\text{Part}}{\text{Whole}} = \frac{\%}{100}$$

## Question 01

You use 20% of your savings to invest in Tesla. You invested \$15,000 in Tesla. How much were your total savings before the investment?

$$\frac{P}{W} = \frac{\%}{100}$$

$$\frac{15,000}{W} = \frac{20}{100}$$

$$15,000 \times 100 \div 20 = 75,000$$

## Question 02

You use 20% of your savings to invest in Microsoft. Your total savings, before the investment, was \$12,000. How much did you invest in Microsoft?

$$\frac{P}{W} = \frac{\%}{100}$$

$$\frac{12,000}{W} = \frac{20}{100}$$

$$12,000 \times 20 \div 100 = 2,400$$

## Question 03

You make a \$16,000 investment in Apple from your savings. Before the investment, your total savings was \$40,000. What percent of your savings did you invest in Apple?

$$\frac{P}{W} = \frac{\%}{100}$$

$$\frac{16,000}{40,000} = \frac{\%}{100}$$

$$16,000 \times 100 \div 40,000 = 40$$

Question 04

Jan and Steve both go to the store with \$40. Jan spends 60% of her money. Steve spends 80% of his money. How much more did Steve spend than Jan?

$$\begin{array}{r} 80\% \\ - 60\% \\ \hline 20\% \end{array} \quad \frac{P}{W} = \frac{\%}{100} \quad \frac{\quad}{40} = \frac{20}{100} \quad 40 \times 20 \div 100 = \textcircled{8}$$

Question 05

Maria and Tony both go to the store with \$80. Maria spends 15% of her money. Tony spends 20% of his money. How much more did Tony spend than Maria?

$$\begin{array}{r} 20\% \\ - 15\% \\ \hline 5\% \end{array} \quad \frac{P}{W} = \frac{\%}{100} \quad \frac{\quad}{80} = \frac{5}{100} \quad 80 \times 5 \div 100 = \textcircled{4}$$

Question 06

A soccer team has 8 sixth graders and 12 seventh graders. What percent of the players are sixth graders?

$$\text{Total players} = 8 + 12 = 20 \quad \frac{P}{W} = \frac{\%}{100} \quad \frac{8}{20} = \frac{\quad}{100} \quad 8 \times 100 \div 20 = \textcircled{40}$$

Question 07

A fruit punch recipe calls for 3 liters of cranberry juice and 5 liters of orange juice. What percent of the fruit punch is cranberry juice?

$$\text{punch} = 3 + 5 = 8 \quad \frac{P}{W} = \frac{\%}{100} \quad \frac{3}{8} = \frac{\quad}{100} \quad 3 \times 100 \div 8 = \textcircled{37.5}$$

Question 08

A basketball team has 5 sixth graders and 5 seventh graders. What percent of the players are sixth graders?

$$\text{Total players} = 5 + 5 = 10 \quad \frac{P}{W} = \frac{\%}{100} \quad \frac{5}{10} = \frac{\quad}{100} \quad 5 \times 100 \div 10 = \textcircled{50}$$