

Name:

ANSWERS!

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

## Part 2-5 Classwork

Calculators OK

Solve for  $x$ .

Question 01

Water is being pumped to fill a pool at a constant rate. After 8 minutes, 12 gallons were pumped into the pool. What is the unit rate gallons pumped per minute?

$$\frac{\text{gallons}}{\text{min}} \quad \frac{12}{8} = \frac{\quad}{1}$$

Bottom

$$12 \div 8 = 1.5$$

Question 02

A car is moving at a constant rate on the highway. The car traveled 8 miles in 5 minutes.

What is the unit rate mile per minute?

$$\frac{\text{miles}}{\text{min}} \quad \frac{8}{5} = \frac{\quad}{1}$$

Bottom

$$8 \div 5 = 1.6$$

Question 03

A store sells apples at a constant price per pound. A customer bought 2.5 pounds of apples for \$3. What is the unit price dollar per pound?

$$\frac{\$}{\text{pound}} \quad \frac{3}{2.5} = \frac{\quad}{1}$$

Bottom

$$3 \div 2.5 = 1.2$$

Question 04

A store sells oranges at a constant price per pound. A customer bought 4 pounds of oranges for \$7. What is the unit price per pound?

$$\frac{\$}{\text{pound}} \quad \frac{7}{4} = \frac{\quad}{1} \quad 7 \div 4 = \textcircled{1.75}$$

*Bottom*

Question 05

A work crew is paving a stretch of road at a constant rate. 12 miles were paved in 3 hours. What is the unit rate miles paved per hour?

$$\frac{\text{miles}}{\text{hour}} \quad \frac{12}{3} = \frac{\quad}{1} \quad 12 \div 3 = \textcircled{4}$$

*Bottom*

Question 06

A van is moving at a constant rate on the highway. The van traveled 5 miles in 4 minutes. What is the unit rate miles per minute?

$$\frac{\text{miles}}{\text{min}} \quad \frac{5}{4} = \frac{\quad}{1} \quad 5 \div 4 = \textcircled{1.25}$$

*Bottom*

Question 07

A store sells mangos at a constant price per pound. A customer bought 2 pounds of mangos for \$5. What is the unit price per pound?

$$\frac{\$}{\text{pound}} \quad \frac{5}{2} = \frac{\quad}{1} \quad 5 \div 2 = \textcircled{2.5}$$

*Bottom*