

Name _____

Period _____

Proportional Relationships**PR1**

1. The table shows a relationship of doughnuts made (y) and how many hours (x) it took to make them. Sam fried 144 doughnuts in 3 hours. Fill in the table to find out how many doughnuts he fried in 2 and 5 hours.

Hours (x)							
# of doughnuts made (y)							

$k =$ _____ equation: _____ Unit Rate _____

A. At this rate, how many doughnuts can he make in 2.5 hours? _____

B. If he made a world record of 576 doughnuts, how many hours did he work? _____

2. The table shows a relationship of miles driven (y) and how many minutes (x) it took to drive. Sasha drove her NASCAR racing car 15 miles in 7.5 minutes. Fill in the table to find out how many miles she drove in 30 and 45 minutes.

Minutes (x)							
Miles driven (y)							

$k =$ _____ equation: _____ Unit Rate _____

A. At this rate, how many miles were driven in 75 minutes? _____

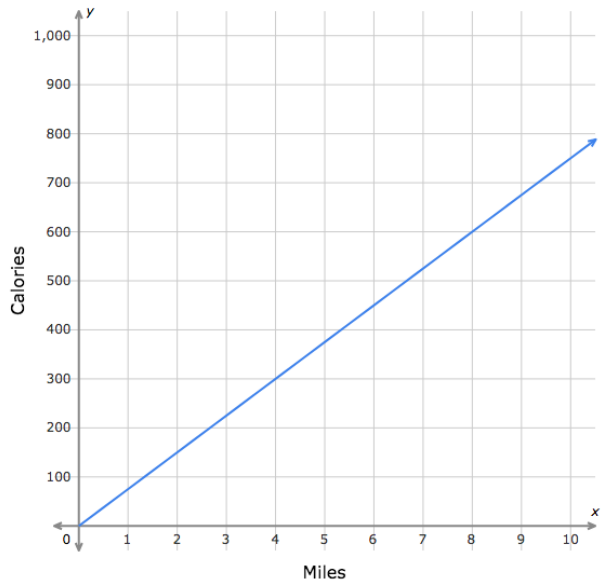
B. How long did it take her to drive 500 miles? _____

3. The graph shows a relationship of calories burned (y) and how miles (x) Isabella ran.

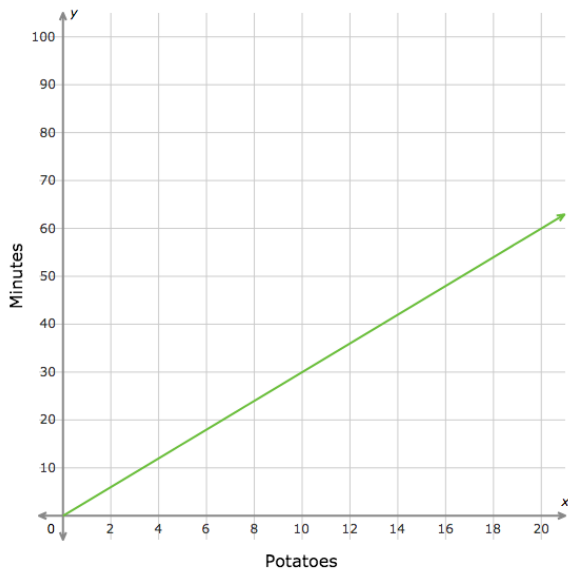
$k =$ _____
 equation: _____
 unit rate: _____

A. At this rate, how many calories would be burned if she ran 7 miles? _____

B. If she burned 900 calories, how many miles did Isabella run? _____



4. The table shows a relationship of the how many minutes it took (y) and how many potatoes (x) Diego ate.



$k =$ _____
 equation: _____
 unit rate: _____

A. At this rate, how long did it take Diego to eat 12 potatoes? _____

B. If he ate potatoes at a consistent rate in 99 minutes, then how many potatoes did he eat ? _____?