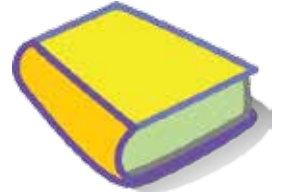# Unit Rate Word Problems

Name: _____   Score: _____

Solve the following unit rate problems and show your workings.

1. I can read 120 words per 12 minutes. How many hours will it take me to read a book with 6,000 words?
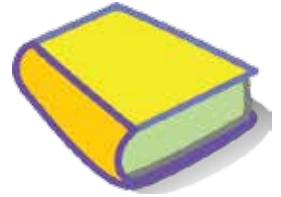
2. A car's top speed is 120 miles per hour. How many minutes will it take the car to drive 50 miles at top speed?

3. A car factory can produce 3 car per 2 minutes. If the factory opens for production at 8:30 am and closes at 5:30 pm, how many cars can the factory produce in a day?

4. A bakery store can bake 12 breads per hour. How many minutes does it take the bakery to bake 3 breads?

5. In the supermarket the price of 4 kilograms of sugar is $3. What is the price of 120 kilograms of sugar?

6. I can walk 20 kilometer in 5 hours. If I walk at this speed, how long will it take me to walk 200 meters?

Answers

Solve the following unit rate problems and show your workings.

1. I can read 120 words per 12 minutes. How many hours will it take me to read a book with 6,000 words?

    6,000 ÷ 120 x 12= 600 minutes = 10 hours

2. A car's top speed is 120 miles per hour. How many minutes will it take the car to drive 50 miles at top speed?

    (50 ÷ 120) x 60 = 25 minutes

3. A car factory can produce 3 car per 2 minutes. If the factory opens for production at 8:30 am and closes at 5:30 pm, how many cars can the factory produce in a day?

    (9 hours x 60 minutes) ÷ 2 minutes x 3 cars = 810 cars

4. A bakery store can bake 12 breads per hour. How many minutes does it take the bakery to bake 3 breads?

    3 ÷ 12 x 60 = 15 minutes

5. In the supermarket the price of 4 kilograms of sugar is $3. What is the price of 120 kilograms of sugar?

    (3 ÷ 4) x 120= $90

6. I can walk 20 kilometer in 5 hours. If I walk at this speed, how long will it take me to walk 200 meters?

    20,000 : 200 = 300 Minutes : X   X = 3 minutes