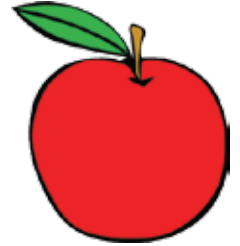# Ratio and Proportion Word Problems

Name: _____   Score: _____

Solve the following ratio and proportion problems and show your workings.

1. 2 kilograms of apples cost $2.50. How many grams of apples can you buy for $20

2. A truck can drive 200 kilometers on 25 liters of gasoline. How many liters of gasoline do I need to drive 640 kilometers?

3. A car can travel 120 miles in 90 minutes. How many hours will it take you to drive 160 miles ?

4. I can type 100 words per 120 seconds. How many words can I type in 7 minutes?

5. A chicken can lay 1 egg per 2 days. How many hours will it take the chicken to lay 5 eggs?

6. I can run 6 kilometers per hour at a steady pace. How long will it take me to run 10 kilometers?

Answers

Solve the following ratio and proportion problems and show your workings.

1. 2 kilograms of apples cost $2.50. How many grams of apples can you buy for $20

   2.50 ÷ 2 = 1.25 so 20 ÷ 1.25 = 16 kg so 16,000 grams

2. A truck can drive 200 kilometers on 25 liters of gasoline. How many liters of gasoline do I need to drive 640 kilometers?

   200 ÷ 25 = 8 km per liter so 640 ÷ 8 = 80 liters

3. A car can travel 120 miles in 90 minutes. How many hours will it take you to drive 160 miles ?

   120 ÷ 1.5 hours = 80 miles per hour, 160 ÷ 80 = 2 hours

4. I can type 100 words per 120 seconds. How many words can I type in 7 minutes?

   100 in 2 minutes = 50 per minute, 7 x 50 = 350 words

5. A chicken can lay 1 egg per 2 days. How many hours will it take the chicken to lay 5 eggs?

   5 x (1 ÷ 2) x 24 hours = 60 hours

6. I can run 6 kilometers per hour at a steady pace. How long will it take me to run 10 kilometers?

   (10 ÷ 6) x 60 = 100 minutes of 1 hour and 40 minutes