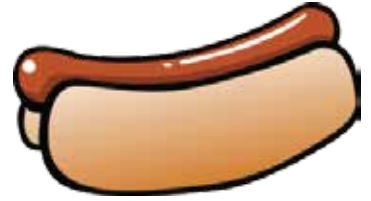


# Unit Rate Word Problems

Name: \_\_\_\_\_ Score: \_\_\_\_\_

Solve the following unit rate problems and show your workings.

1. I can eat 5 hotdogs in 10 minutes. How long will it take me to eat 30 hotdogs?



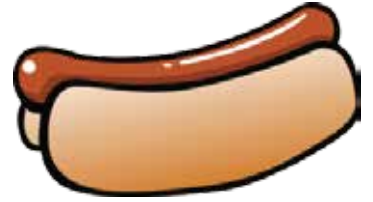
2. The top speed of my car is 100 miles per hour. How long will a 300 mile distance at top speed take me?
3. I can read 40 words per minute. How long will it take me to read an 1,000 word essay?
4. I can solve 5 math exercises per hour. How long will it take me to solve 25 exercises?
5. A pizza maker can bake 20 pizzas per hour. How long will it take him to bake 220 pizzas?
6. It takes me 20 minutes to run 2 kilometers.. How many hours will it take me to run 6 kilometers?

# Answers

Solve the following unit rate problems and show your workings.

1. I can eat 5 hotdogs in 10 minutes. How long will it take me to eat 30 hotdogs?

$$(30 \div 5) \times 10 \text{ minutes} = 60 \text{ minutes} = 1 \text{ hour}$$



2. The top speed of my car is 100 miles per hour. How long will a 300 mile distance at top speed take me?

$$300 \div 100 = 3 \text{ hours}$$

3. I can read 40 words per minute. How long will it take me to read an 1,000 word essay?

$$1,000 \div 40 = 25 \text{ minutes}$$

4. I can solve 5 math exercises per hour. How long will it take me to solve 25 exercises?

$$25 \div 5 = 5 \text{ hours}$$

5. A pizza maker can bake 20 pizzas per hour. How long will it take him to bake 220 pizzas?

$$220 \div 20 = 11 \text{ hours}$$

6. It takes me 20 minutes to run 2 kilometers. How many hours will it take me to run 6 kilometers?

$$(20 \div 2) \times 6 = 60 \text{ minutes} = 1 \text{ hour}$$