## Unit Rate Word Problems

Name: Score: $\qquad$
Solve the following unit rate problems and show your workings.

1. A car manufacturer can produce 200 cars per day. How many weeks will it take to produce 5,600 cars?

2. Amra can run 20 kilometers in 3 hours at a steady rate. How long will it take her to run just 5 kilometers?
3. Petra always keeps the 6 bedrooms in her house clean. It takes her 15 minutes to clean a single rooms. How many hours will it take her to clean all 6 bedrooms?
4. I can type 400 words per hour. How many minutes will it take me to write a report with 2,000 words?
5. When I work for 4 hours I take 2 breaks of 15 minutes each. If I worked 12 hours yesterday, how many minutes in breaks did I take?
6. It takes me 12 minutes to swim 4 laps. How many hours will it take me to swim 50 laps?

## Answers

Solve the following unit rate problems and show your workings.

1. A car manufacturer can produce 200 cars per day. How many weeks will it take to produce 5,600 cars? $5,600 \div 200=28$ days $=4$ weeks

2. Amra can run 20 kilometers in 3 hours at a steady rate. How long will it take her to run just 5 kilometers?

180 minutes $\div 20=9$ minutes, $9 \times 5=45$ minutes
3. Petra always keeps the 6 bedrooms in her house clean. It takes her 15 minutes to clean a single rooms. How many hours will it take her to clean all 6 bedrooms?
$15 \times 6=90$ minutes $=1.5$ hours
4. I can type 400 words per hour. How many minutes will it take me to write a report with 2,000 words?
$2,000 \div 400=5$ hours $=300$ minutes
5. When I work for 4 hours I take 2 breaks of 15 minutes each. If I worked 12 hours yesterday, how many minutes in breaks did I take?
$12 \div 4=3$ periods $\times 2 \times 15=90$ minutes
6. It takes me 12 minutes to swim 4 laps. How many hours will it take me to swim 50 laps?
$12 \div 4=3$ minutes per lap $\times 50=150$ minutes $=2.5$ hours

