

# Practice: Rates

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

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1. Given the following situations, find the indicated unit rate for each:

a. Corrin has twin boys. She buys a box of 10 toy cars to share evenly between the boys.

\_\_\_\_\_ cars per boy

b. Belle works at a donut shop. They sell a box of donut holes for \$1.80. There are 20 donut holes in the box.

\_\_\_\_\_ cost per donut hole

c. Abby runs  $14\frac{1}{4}$  laps in  $42\frac{3}{4}$  minutes.

\_\_\_\_\_ minutes per lap

2. Given the following tables, find the indicated unit rate for each:

a. \_\_\_\_\_ push-ups per day

Days	Total Push-ups
2	30
4	60
29	435
58	870

b. \_\_\_\_\_ gallons per minute

Minutes	Gallons of Water in Swimming Pool
2	12.4
3	18.6
17	105.4
27	167.4

c. \_\_\_\_\_ hours per kilometer

Kilometers	Hours
5	$\frac{1}{3}$
15	1
7.5	$\frac{1}{2}$
$\frac{1}{4}$	$\frac{1}{60}$

3) The following situations each describe 2 rates. Compare and contrast the differences in context of the situation.

a. In a two minute typing test, Stacey types 100 words. In a five minute typing test, Sarah types 250 words.

b. A 20 oz. bottle of ketchup is 99¢. A 38 oz. bottle of ketchup is \$1.99.

4. For each of the following situations, find the unit rate for BOTH units.

a. Ivonne drove 357 miles on 10 gallons of gasoline.

b. In the World Cup, Chile scored 8 goals in 4 games.

5. For each of the following situations, use the unit rate to answer the question.

a. Katherine is visiting patients in a hospital. She visits 12 patients in 6 hours. At the same rate, how many patients will she visit in 9 hours?

b. If 4 gallons of gas cost \$14.60, how much does 10 gallons of gas cost?

c. Joaquin runs  $2\frac{1}{2}$  kilometers in  $\frac{1}{6}$  hours. If he continues running at the same pace, how long will it take him to run 11 kilometers?