



NAME _____

DATE _____

PERIOD _____

Unit 7, Lesson 11

Practice Problems

1. Select **all** the expressions that are equal to $4 \cdot 10^{-3}$:

A. $4 \cdot \left(\frac{1}{10}\right) \cdot \left(\frac{1}{10}\right) \cdot \left(\frac{1}{10}\right)$

B. $4 \cdot (-10) \cdot (-10) \cdot (-10)$

C. $4 \cdot 0.001$

D. $4 \cdot 0.0001$

E. 0.004

F. 0.0004

2. Write each expression as a multiple of a power of 10:

a. 0.04

b. 0.072

c. 0.0000325

d. Three thousandths

e. 23 hundredths

f. 729 thousandths

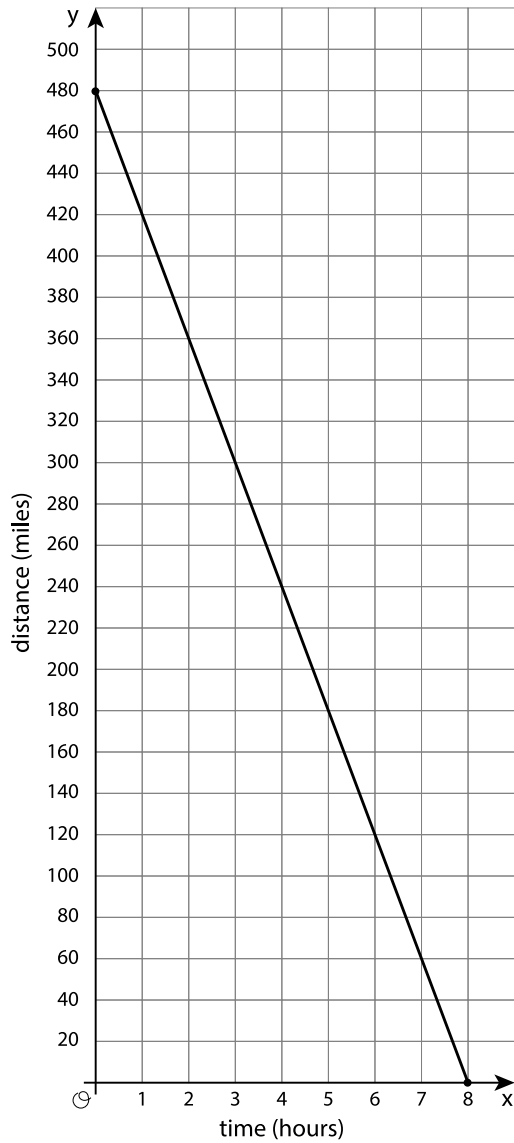
g. 41 millionths

3. A family sets out on a road trip to visit their cousins. They travel at a steady rate. The graph shows the distance remaining to their cousins' house for each hour of the trip.

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- a. How fast are they traveling?

- b. Is the slope positive or negative?
 Explain how you know and why that fits the situation.

- c. How far is the trip and how long did it take? Explain how you know.