Unit 8

Unit Assessment, Form A

Name _____

1. Owen has $2.80 in dimes. Which equation shows how many dimes Owen has?

   A. $2.80 \div 0.01 = 280$ dimes
   B. $2.80 \div 0.1 = 28$ dimes
   C. $2.80 \div 0.01 = 28$ dimes
   D. $2.80 \div 0.1 = 280$ dimes

2. Melanie rides her bicycle 42.4 miles in 10 days. If she rides the same amount of miles each day, how many miles does she ride each day?

   A. 0.424 mile
   B. 4.24 miles
   C. 42.4 miles
   D. 424 miles

3. Which equation shows a reasonable estimate for the quotient $7.41 \div 0.08$ using powers of 10 and compatible numbers? Choose all that apply.

   A. $70 \div 1 = 70$
   B. $720 \div 8 = 90$
   C. $72 \div 8 = 9$
   D. $70 \div 10 = 7$

4. Sam is selecting a new cell phone plan. The cell phone company offers different monthly plans based on the number of gigabytes (GB) of data available.

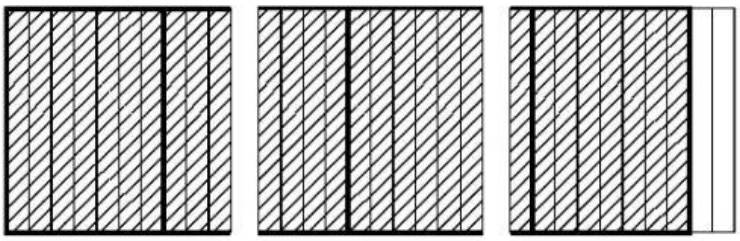
	Plan 1	Plan 2	Plan 3
Cost per Month	$49.99	$75.99	$34.99
Amount of Data	6 GB	9 GB	3 GB

   Which plan has the lowest cost per gigabyte?

   A. All the plans are the same.
   B. Plan 1
   C. Plan 2
   D. Plan 3

LIVEWORKSHEETS

5. Which equation is represented by the decimal grids shown?



A. $28 \div 0.7 = 40$

B. $0.7 \div 2.8 = 4$

C. $0.8 \div 4 = 0.7$

D. $2.8 \div 4 = 0.7$

6. What is the quotient of $0.20 \div 5$?

A. 40

B. 4

C. 0.4

D. 0.04

7. Which is an equivalent representation of $1.8 \div 3$?

A. 18 tens $\div$ 3

B. 18 ones $\div$ 3

C. 18 tenths $\div$ 3

D. 18 hundredths $\div$ 3

8. Lidia uses 1.35 pounds of meat to make 5 sandwiches. She uses the same amount of meat in each sandwich. How much meat does Lidia use to make each sandwich?

LIVEWORKSHEETS

Name _____

9. What is the quotient of 2 ÷ 0.4?

A. 0.5

B. 5

C. 50

D. 500

10. Darius runs 15 miles. He runs 0.2 mile each minute. How many minutes does it take Darius to run 15 miles?

A. 7.5 minutes

B. 30 minutes

C. 75 minutes

D. 150 minutes

11. Which division problem is equivalent to 8.96 ÷ 0.32?

A. 896 ÷ 32

B. 896 ÷ 3.2

C. 89.6 ÷ 32

D. 8,960 ÷ 32

12. Matthew completed a 26.4 mile race in 2.2 hours. If he ran the same amount of miles each hour, how many miles did Matthew run each hour?

LIVEWORKSHEETS

13. Randy says 9 ÷ 0.06 has the same quotient as 90 ÷ 6. How do you respond to him?

14. A pizzeria has 4 pounds of tomato sauce to use on the pizzas they make. Their recipe calls for 0.25 pound of tomato sauce for each pizza. The pizzeria sells 10 pizzas each hour. Will the pizzeria have enough tomato sauce to make this number of pizzas or will they run out? Explain your answer.

15. Ken wants to buy tiles to cover 20 square yards of flooring. He can choose from three sizes of tiles.

Tile	**Area covered by 1 tile**
A	0.1 square yard
B	0.25 square yard
C	0.4 square yard

Ken wants to use fewer than 60 tiles. Which tiles would allow him to do this? Show your work.

LIVEWORKSHEETS