Unit 8

Unit Assessment, Form B

Name _____

1. Olive has $4.60 in dimes. Which equation shows how many dimes Olive has?

   A. $4.60 \div 0.01 = 460$ dimes
   B. $4.60 \div 0.01 = 46$ dimes
   C. $4.60 \div 0.1 = 46$ dimes
   D. $4.60 \div 0.1 = 460$ dimes

2. Marvin rides his bicycle 83.4 miles in 10 days. If he rides the same amount of miles each day, how many miles does he ride each day?

   A. 0.834 mile
   B. 8.34 miles
   C. 83.4 miles
   D. 834 miles

3. Which equations show a reasonable estimate for the quotient $4.48 \div 0.07$ using powers of 10 and compatible numbers? Choose all that apply.

   A. $42 \div 7 = 6$
   B. $40 \div 10 = 4$
   C. $400 \div 10 = 40$
   D. $420 \div 7 = 60$

4. Lea is selecting a membership at the new gym. The gym offers different monthly plans based on the number of hours spent there each week.

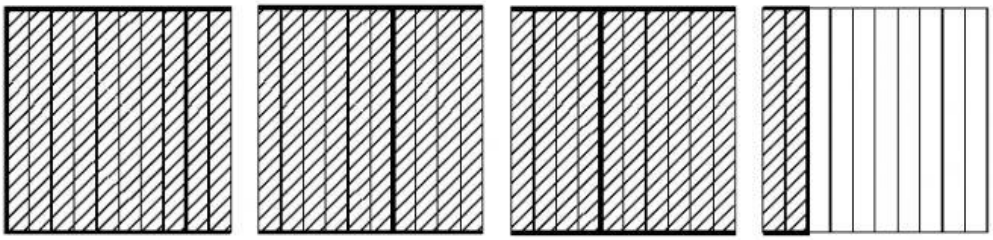
	Plan 1	Plan 2	Plan 3
Cost per Month	$61.75	$72.50	$20.99
Hours at the Gym per Week	7 hours	10 hours	4 hours

   Which plan has the lowest cost per hour at the gym each week?

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

LIVEWORKSHEETS

5. The decimal grids show which equation?



A. $0.8 \div 3.2 = 4$

B. $0.2 \div 4 = 0.8$

C. $3.2 \div 4 = 0.8$

D. $32 \div 0.8 = 40$

6. What is the quotient of $0.40 \div 5$?

A. 80

B. 8

C. 0.8

D. 0.08

7. Which is an equivalent representation of $2.8 \div 7$?

A. 28 tens $\div$ 7

B. 28 ones $\div$ 7

C. 28 tenths $\div$ 7

D. 28 hundredths $\div$ 7

8. Harry uses 4.92 pounds of fruit to make 6 bowls of fruit salad. He uses the same amount of fruit in each bowl. How much fruit does Harry use to make each bowl of fruit salad?

LIVEWORKSHEETS

Name _____

9. What is the quotient of 30 ÷ 0.6?

A. 0.5

B. 5

C. 50

D. 500

10. Evelyn runs 12 miles. She runs 0.2 mile each minute. How many minutes does it take Evelyn to run 12 miles?

A. 6 minutes

B. 24 minutes

C. 60 minutes

D. 120 minutes

11. Which division problem is equivalent to 9.72 ÷ 0.27?

A. 972 ÷ 2.7

B. 972 ÷ 27

C. 97.2 ÷ 27

D. 9,720 ÷ 27

12. Marcus completed a 14.4-mile race in 2.4 hours. If he ran the same amount of miles each hour, how many miles did Marcus run each hour?

LIVEWORKSHEETS

13. Cora says $4 \div 0.05$ has the same quotient as $40 \div 5$. How do you respond to him?

14. A restaurant has 3 pounds of carrots to use on the salads they make. Their recipe calls for 0.5 pound of carrots for each salad. The restaurant makes 10 salads. Will the restaurant have enough carrots to make this number of salads or will they run out? Explain your answer.

15. Kyra wants to buy tiles to cover 10 square yards of wall space. She 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

Kyra wants to use fewer than 30 tiles. Which tiles would allow her to do this? Show your work.

LIVEWORKSHEETS