

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

1. What is the value of the expression?  $2.7 \times 3.47$

A. 4.269

B. 6.94

C. 93.69

D. 9.369

2. Select the true statement.

A.  $0.2 \times 6 = 1.3$

B.  $0.5 \times 1.3 = 1.9$

C.  $1.2 \times 2.6 = .312$

D.  $12 \times 9.8 = 11.76$

E.  $.25 \times 1 = .25$

3. Which expression shows a solution for  $0.6 \times 0.08$  ?

A. 6 tenths  $\times$  8 tenths = 24 hundredths

B. 6 tenths  $\times$  8 hundredths = 48 hundredths

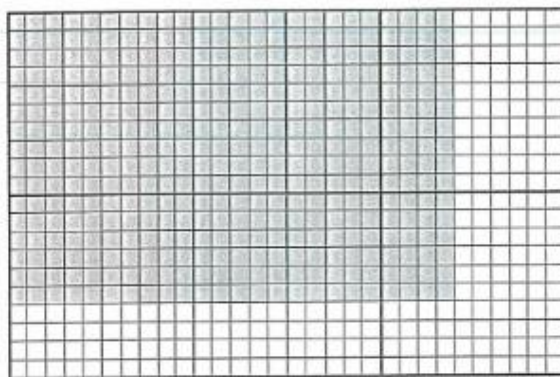
C. 6 tenths  $\times$  8 hundredths = 48 thousandths

D. 6 hundredths  $\times$  7 tenths = 48 hundredths

4. What is the value of  $0.67 \times 10^4$  ?

Mrs. Robinson modeled the problem  $1.6 \times 2.4$  using base-ten grid paper as shown below.

5.



What is the product of  $1.6 \times 2.4$ ? \_\_\_\_\_

6. What is the value of the missing exponents?

$$10^{\square} \times 0.386 = 38,600$$

7. Mrs. Murphy and Mrs. White attend the same school. Mrs. Murphy lives 2.6 miles from the school. Mrs. White lives 5.2 times Mrs. Murphy's distance from the school. How far does Mrs. White live from the School?

- A. 12.70 miles      B. 13.94 miles      C. 13.52 miles      D. 14.14 miles

8. Select all the statements that can be used to explain why the equation below is correct.

$$64.42 \times 10 = 644.2$$

- A. 644.2 is 10 times larger than 64.42.  
B.  $(64 \times 10) + (4.2 \times 10) = 644.2$   
C. The decimal point moves one place to the right when we multiply by 10.  
D. When multiplying a decimal by 10, add a zero to the end of the decimal.  
E. The decimal point moves one place to the left when we multiply by 10.  
F. 64.42 is close to 65 and 65 multiplied by 10 is equal to 650. 650 is close to 650.  
G.  $(60 \times 10) + (4 \times 10) + (0.4 \times 10) + (0.02 \times 10) = 644.2$

9. Which expression does not have a value of 60.72?

- A.  $27.6 \times 2.2$       B.  $276 \times .22$       C.  $2.76 \times .22$       D.  $.276 \times 220$

10. Which of the following new numbers are 10 times as much as the original number next to it in the table?

Original Number	New Number
0.05	0.005
0.1	1.0
0.45	0.450
6.68	66.8
0.34	3.4
0.071	0.71

- A. 0.005 is ten times greater than 0.05
- B. 1.0 is ten times greater than 0.1
- C. 0.450 is ten times greater than 0.45
- D. 66.8 is then times greater than 6.68
- E. 3.4 is ten times greater than 0.34
- F. 0.71 is ten times greater than 0.071