

- 1 Classify each product as being equal to 43, equal to 430, or equal to 4,300. Write the letter of the product in the correct box.

A $43 \times 10^2$	B $43 \times 10^1$	C $4.3 \times 10^2$
D $0.43 \times 10^2$	E $4.3 \times 10^1$	F $4.3 \times 10^3$

**43**

**430**

**4,300**

- 2 Hakeem puts \$59 from each paycheck into his savings account. He gets paid every two weeks or 26 times per year. His goal is to save \$1,500 this year. Will Hakeem reach his goal? Explain your answer using words, a model, and an equation.

- 3 Choose one factor from each column that will result in a product with three zeros.

<input type="radio"/> 2	×	<input type="radio"/> 0.4
<input type="radio"/> 20		<input type="radio"/> 4
<input type="radio"/> 200		<input type="radio"/> 40
<input type="radio"/> 2,000		<input type="radio"/> 400

- 4 Select each product that is correct. Mark all that apply.

(A)  $300 \times 60 = 18,000$

(C)  $27 \times 100 = 2,700$

(B)  $30 \times 800 = 240$

(D)  $60 \times 10 = 6,000$

5 Select each item with a product equal to 260. Mark all that apply.

(A)  $2.6 \times 10^2$

(C)  $0.26 \times 10^3$

(B)  $26 \times 10^3$

(D)  $2.6 \times 10^1$

6 Write a decimal to complete the equation.

$$7 \times 0.04 = 7 \times 4 \times \underline{\hspace{2cm}}$$

7 Ben says that the product  $50 \times 60$  should have two zeros. Sharlene says the product should have three zeros.

**Part A**

Which student is correct? What is the product  $50 \times 60$ ?

**Part B**

How do you know?

8 Order the products from least to greatest by writing each expression in a box.

$500 \times 30$

$3 \times 50$

$5 \times 0.03$

$50 \times 0.3$

$300 \times 5$

9 Select the expression that is equivalent to  $8 \times 10 \times 10 \times 10$ . Mark all that apply.

(A)  $8 \times 10^2$

(D)  $8 \times (3 \times 10)$

(B)  $80 \times 10^2$

(E)  $800 \times 10^1$

(C)  $8 \times 10^3$

(F)  $8 \times 100$

10 An Atlas moth has a wingspan of 11 inches. What is the wingspan of 26 Atlas moths?

\_\_\_\_\_ inches

11 Jodi's best score on a video game is 50 points. Mark's best score on the game is 1.5 times as Jodi's much as best score.

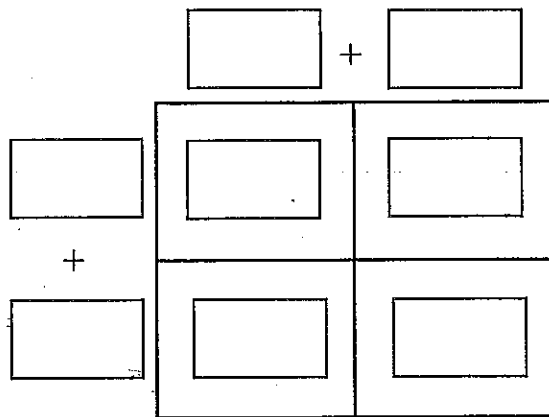
Part A How many points did Mark score on the video game?

\_\_\_\_\_ points

Part B Virginia's best score is only 0.6 times Jodi's best score. How many points did Virginia score on the game?

\_\_\_\_\_ points

12 Myra is painting a 76 inch by 22 inch mural along the gym wall. How many square inches will she paint? Write the numbers in the boxes to complete the model. Solve.



\_\_\_\_\_ square inches



- 16 Write the numbers that complete the word problem. Some numbers are not used.

\$202.50	3	1.5	\$16.75	\$20.25
5	4	\$4.50	\$3.20	\$2.025

Tamira buys \_\_\_\_\_ pounds of mixed nuts each day for \_\_\_\_\_ days.

The nuts cost \_\_\_\_\_ per pound. She pays \_\_\_\_\_ for all the mixed nuts.

- 17 Write the letter of the expression next to the number that shows its product.

A $82 \times 0.7$	<input type="text"/>	0.592
B $0.6 \times 92$	<input type="text"/>	59.2
C $8.2 \times 0.7$	<input type="text"/>	5.74
D $0.8 \times 74$	<input type="text"/>	55.2
E $9.2 \times 0.06$	<input type="text"/>	57.4
F $7.4 \times 0.08$	<input type="text"/>	0.552

- 18 A walkingstick is 2.5 times as long as a praying mantis. If a praying mantis is 10 centimeters long, how long is a walkingstick?

\_\_\_\_\_ centimeters

- 19 Choose the word or phrase that makes the sentence true.

When you multiply by 100, each digit shifts

to the  right  left by  one place  two places  three places

- 20 Multiply  $7,952 \times 8$ . Explain how you know your answer is reasonable.

- 21 Select the products that are correct. Mark all that apply.

(A)  $0.01 \times 600 = 60,000$

(B)  $300 \times 0.1 = 30$

(C)  $0.01 \times 20 = 0.2$

(D)  $90 \times 0.1 = 0.9$

- 22 Eve worked during the summer as a lifeguard. She earns \$16 per hour. How much does Eve earn if she works 28 hours? Show your work.

*Show your work.*

- 23 Mr. Clemente measured 29.7 grams of potassium chloride for each of 7 lab groups in his chemistry class. How much potassium chloride did Mr. Clemente measure?

\_\_\_\_\_ grams

- 24 When you multiply 24.7 by 0.1, is the answer greater than or less than 24.7? Explain.