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Let's solve this together.

Use multiplication to solve the problem.

1. What is 24×63 ?

To multiply by a 2-digit number, find partial products for each digit of the **multiplier**. 24 is the multiplier in this problem.

← Add the partial products to get the product.



$$\frac{\times 24}{1 \ 2} \leftarrow 4 \times 3 = 12$$

Solution: $24 \times 63 =$

63

Multiply 63 by the ones digit.

Multiply 63 by the tens digit.

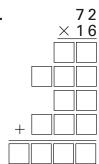
Solve the problem. Multiply. Fill in the blanks.

2.

← Add the partial products.

Solve each problem. Multiply. Show all the partial products and the product.

3.



4.

$$\times$$
 25

38

5. 43 × 29

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Multiply. Then match each product to a number in the box. If there is no match, check your work.

Solve each problem. Show your work.

- 9. In a small concert hall there are 38 rows of seats. Each row has 24 seats. How many seats are in the concert hall?
- 10. How many inches are in 26 feet?(1 foot = 12 inches)

Solution: _____ seats

Solution: _____ inches

MULTIPLY BY 2-DIGIT NUMBERS

Let's solve this together.

Use multiplication to solve the problem.

1. What is 24×63 ?

Here is a quicker way to multiply a number by a 2-digit number. Follow the steps.

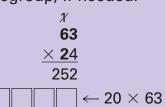
Step 1

Multiply by ones.

Regroup, if needed.

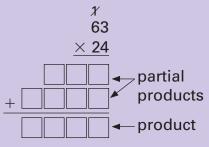
 Step 2

Multiply by tens. Regroup, if needed.



Step 3

Add the partial products.



Solution: $24 \times 63 =$

Solve each problem. Multiply. Show your work.

2. 42

$$\times 19$$

 $\leftarrow 9 \times 42$
 $\leftarrow 10 \times 42$

Solve each problem. Choose the best answer.

- **5**. 35 × 27
 - A 245
- © 945
- **B** 700
- © 1,045
- 6. A fourth-grade class of 24 students is going to an amusement park. The price of a student ticket is \$32. What is the total cost of tickets for the whole class?
 - A \$128
- © \$778
- ® \$768
- © \$868

- **7**. 58 × 58
 - A 464
- © 2,964
- ® 754
- © 3,364
- 8. How many ounces are there in 45 pounds? (1 pound = 16 ounces)
 - **A** 360
- © 540
- **B** 450
- D 720



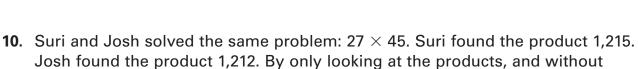
Reasoning

Solve each problem. Explain your thinking.

9. Refer to number 6. Two students in the class are unable to attend. What is the total cost of tickets for the class and their teacher if an adult ticket costs \$45?

Solution: ____

Explain how you found the answer.



REVIEW 1: PRACTICES 1-4

Solve each problem. Choose the best answer.

1. Which makes the sentence true?

$$70 \times \boxed{} = 6,300$$

- A
- B 90
- © 900
- 9,000
- **2.** 96 × 7
 - A 622
 - ® 672
 - © 722
 - 742

- 3. How many inches are there in 15 feet? (1 foot = 12 inches)
 - A 45
 - **B** 150
 - © 180
 - © 540
- **4.** Kayla bought 3 bags of buttons. There were 200 buttons in each bag. How many buttons did she buy in all?
 - A 203
 - **B** 600
 - © 3,200
 - © 6,000



Match the multiplication problem with the correct answer. Solve as many problems as you can using mental math. Then solve the rest on paper. Show your work.



REVIEW 2: PRACTICES 1-4



Solve each problem using mental math or pencil and paper. Show your work if you do not use mental math.



1. A case of soup has 24 cans. Greg unpacked 7 cases in the store. How many cans of soup did he unpack?

Solution: _____

2. Alisha made 5 cans of soup for a group. The soup in each can has a mass of about 300 grams. About how many grams of soup did she make in all?

Solution: _____

3. How many minutes are there in 20 hours? (1 hour = 60 minutes)

Solution:

4. A store ordered 36 boxes of crayons. There are 48 crayons in each box. How many crayons are there in all?

Solution: _____

Solve the problem. Fill in the blanks with numbers or with words from the box.

Associative Commutative Distributive number grouping order

5. Using the _____ Property of Multiplication, you can change

the _____ of the factors and the product is still the same.

Problem: $83 \times 19 = _{---} \times 83$

Product: ____ = ____

Using the _____ Property of Multiplication, you can change

the _____ of the factors and the product is still the same.

Problem: $2 \times (5 \times 47) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) \times 47$

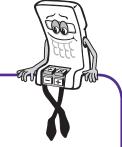
Product: ____ = ____

Solve each problem. Choose the best answer.

6. Which makes the sentence true?

- A 104
- © 36 × 59
- ® 3,569
- © 69 × 35

- **7.** What is 72×86 ?
 - A 158
- © 774
- **B** 172
- © 6,192



Reasoning

Solve each problem. Explain your thinking.

8. Jackson solved the multiplication problem below. Did he find the correct product? Explain why or why not.

$$\frac{+92}{322}$$

- **9.** Ali did the problem 80×50 and got a product of 4,000. Andy did the same problem and got a product of 400. Who is correct? Explain why.
- **10**. Find the solution using the digits 6, 7, 8, and 9. Use each digit only once.



6,003

Explain how you solved the puzzle.

GLOSSARY

MY EXAMPLES

A a

acute angle

an angle that measures less than 90°

angle

a figure formed by two rays that share an endpoint, or vertex

area

the number of square units inside a figure

area of a rectangle $(A = I \times w)$

the number of square units inside a rectangle; area = length \times width