Multiplication Word Problems Worksheet

Practice multiplying equal groups to find totals in word problems.

NAME _____ DATE _____ SCORE _____

MY GOALS

- **I can practice multiplication word problems.**
- **I can use the word factor.**
- **I can use the word product.**
- **I can use equal groups.**

LEARN IT

Use equal groups to multiply

A multiplication word problem tells about equal groups being combined. First find the number of groups and how many are in each group. Then write a number sentence: groups × items-per-group = total, and calculate the product.

WATCH ME

There are 11 trays with 12 cookies in each. How many cookies in all?

1. Identify the number of groups: 11 trays.
2. Identify items per group: 12 cookies in each tray.
3. Write the number sentence and multiply: 11 × 12 = 132.

ANSWER **132**

KEY WORDS

Equal groups Groups that all have the same number of items.

Factor A number being multiplied.

Product The answer after multiplying.

REMEMBER

- Find the number of equal groups.
- Find how many items are in each group.
- Write groups × items-per-group to get the product.

WATCH OUT

When you get stuck, draw the equal groups and count one group to find how many are in each.

PART A Warm up

1 FILL IN THE BLANK

Calculate the product for each equal-groups statement. Write the number in the blank.

a) 4 groups of 5 = _____

b) 9 groups of 3 = _____

c) 2 rows of 6 = _____

d) 6 boxes with 4 in each = _____

e) 8 times 5 = _____

f) 3 × 4 = _____

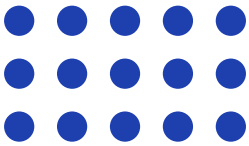
PART B Practice

2 WRITE

Read this problem and explain how you pick the two numbers to multiply. Write the number of groups, the items per group, and the number sentence.
There are 5 packs of stickers. Each pack has 9 stickers. How many stickers in all?

3 FILL IN THE BLANK

Use the array below. Answer each question by writing the number in the blank.



a) How many rows are there? _____

b) How many columns are there? _____

c) How many items in one row? _____

d) What is the total number of items? _____

PART C Apply it

4 WRITE

Maya made 6 bracelets. Each bracelet uses 5 beads. Show how you find the total number of beads and write the number sentence.

PART D Challenge

5 WRITE

A school sets up 4 tables with 6 chairs at each table and 3 more tables with 8 chairs at each. Describe which operations you use to find the total chairs, show the number sentences, and give the final total.

CHECK YOUR WORK

- ☐ I drew or pictured the equal groups when needed
- ☐ I wrote the groups × items-per-group number sentence
- ☐ I calculated each product and checked my totals

HOW DID IT GO? ◯ I can do this on my own ◯ I need a bit more practice ◯ I would like some help

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TEACHING NOTES

- **Question 1:** Ask the child to say which number is the groups and which is the items per group before multiplying.
- **Question 2:** A strong answer names both factors and shows the multiplication sentence (for example, 5 × 9 = 45).
- **Question 3:** Encourage counting one row and multiplying by the number of rows to find the total.
- **Question 4:** Look for the phrase that tells how many in each group; that becomes one factor.
- **Question 5:** A strong answer shows two multiplication sentences and then adds the two products to get the final total.

QUESTION	ANSWER	WHY
Question 1	**a) 20 b) 27 c) 12 d) 24 e) 40 f) 12**	Multiply the number of groups by the number in each group: 4×5=20, 9×3=27, 2×6=12, 6×4=24, 8×5=40, 3×4=12. Watch for swapping the numbers-either order gives the product, but keep track of what each number means.
Question 2	**Groups = 5; items per group = 9; number sentence 5 × 9 = 45**	There are 5 packs (groups) and 9 stickers in each pack, so multiply 5 × 9 to find the total 45. Watch for reading 'each' as the items-per-group signal.
Question 3	**a) 3 b) 5 c) 5 d) 15**	The array shows 3 rows and 5 columns so each row has 5 items. Total = rows × items per row = 3 × 5 = 15.
Question 4	**Groups = 6; items per group = 5; number sentence 6 × 5 = 30**	There are 6 bracelets (groups) and 5 beads on each, so multiply 6 × 5 to get 30 beads in all. A common error is to add 6+5 instead of multiplying equal groups.
Question 5	**Multiply 4 × 6 = 24 and 3 × 8 = 24, then add 24 + 24 = 48**	This problem has two separate equal-group situations. Find each product (4 tables × 6 chairs = 24, 3 tables × 8 chairs = 24) then add the products for the final total 48. Watch for trying to multiply the four and three tables together instead of multiplying each group first.