

Intermediate Multiplication Challenge

Grade 2 Math Worksheet - Level Up

Name: _____

Date: _____

Directions

Work through each section carefully. Challenge yourself with new patterns and larger numbers!

Skip Counting Advanced!

Fill in the missing numbers for each pattern.

Hint: Try counting by 3's and 4's!

Count by 3's:

3, 6, 9, , , 18, , 24

Count by 4's:

4, 8, 12, , , 28, 32

Count by 7's:

7, 14, , , 35, 42,

+ Expanded Repeated Addition

Express the repeated addition as a multiplication sentence.

Hint: How many groups and what number is repeated?

$$7 + 7 + 7 + 7 = \boxed{}$$

This is: \times =

$$6 + 6 + 6 + 6 + 6 + 6 = \boxed{}$$

This is: \times =

$$8 + 8 + 8 + 8 + 8 = \boxed{}$$

This is: \times =

Count the items and write the multiplication sentence.

Hint: Observe rows and columns carefully!

Find the total in the array:



rows × columns = stars

Count the smiley faces in the array:



rows × columns = smileys

✖ Tough Multiplication Facts

Complete the following multiplication facts.

Tip: Practice aloud to memorize the facts up to 12!

$3 \times 4 = \boxed{}$

$5 \times 6 = \boxed{}$

$7 \times 8 = \boxed{}$

$9 \times 3 = \boxed{}$



Word Problems

Read each problem and solve. Draw a picture if needed.

Advice: Break down the problem into groups.

A baker made 5 trays of cookies with 8 cookies on each tray. How many cookies did the baker make?

Drawing space:

Answer: cookies

There are 6 chairs in each row and 4 rows in a school hall. How many chairs are there?

Drawing space:

Answer: chairs

A farmer has 3 baskets with 9 apples each. How many apples are there in total?

Drawing space:

Answer: apples



Answer Key

Skip Counting:

- Count by 3's: 3, 6, 9, 12, 15, 18, 21, 24
- Count by 4's: 4, 8, 12, 16, 20, 28, 32
- Count by 7's: 7, 14, 21, 28, 35, 42, 49

Repeated Addition:

- $7 + 7 + 7 + 7 = 28 \rightarrow 4 \times 7 = 28$
- $6 + 6 + 6 + 6 + 6 + 6 = 36 \rightarrow 6 \times 6 = 36$
- $8 + 8 + 8 + 8 + 8 = 40 \rightarrow 5 \times 8 = 40$

Arrays:

- Stars: 3 rows \times 3 columns = 9
- Smiley faces: 2 rows \times 4 columns = 8

Tough Multiplication Facts:

- $3 \times 4 = 12$
- $5 \times 6 = 30$
- $7 \times 8 = 56$
- $9 \times 3 = 27$

Word Problems:

- Baker: $5 \text{ trays} \times 8 \text{ cookies} = 40 \text{ cookies}$
- Chairs: $6 \text{ chairs} \times 4 \text{ rows} = 24 \text{ chairs}$
- Farmer: $3 \text{ baskets} \times 9 \text{ apples} = 27 \text{ apples}$



Excellent Work!



Circle your favorite sticker achievement:



Keep challenging yourself!

Great job practicing multiplication!