

Grade 3 · Multiplication and Division Facts Within 100 · Worksheet

Common Core 3.OA.C.7 · mathovore.fr

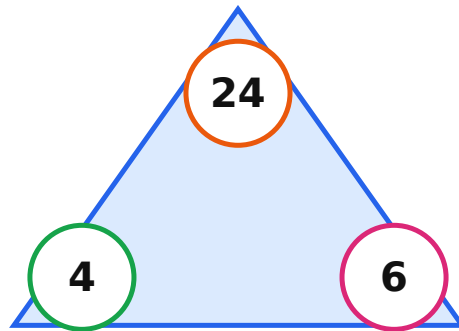
Name: _____ Date: ____/____/____ Score: _____

These 25 problems build fluency with multiplication and division facts within 100, standard 3.OA.C.7. You will use fact families, skip counting, the 9s trick, and break-apart strategies. The first problems use pictures and easy facts. The last six are word problems about markets, bake sales, and school. Try to answer the facts from memory before you check.

Grade 3 Common Core: 3.OA.C.7

Problem 1: Fact family triangle

Use the numbers in the triangle to write two multiplication facts and two division facts.



A fact family triangle: 4, 6, and 24.

Problem 2: Skip count by 5s

Fill in the missing numbers: 5, 10, ?, 20, ?, 30, ?, 40, ?, 50.

Problem 3: Double it

Multiply by 2. Think of doubles.

- a. 2×7
- b. 2×9
- c. 2×6
- d. 2×8

Problem 4: Multiply by 5

Find each product.

- a. 5×6
- b. 5×8
- c. 5×4
- d. 5×9

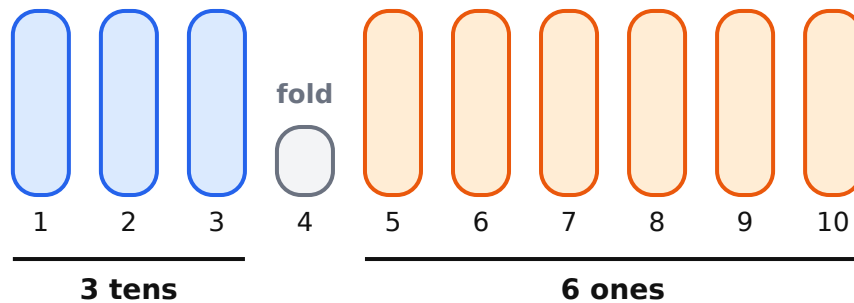
Problem 5: Tens, ones, and zero

Find each product.

- a. 10×7
- b. 1×9
- c. 0×8
- d. 10×4

Problem 6: The 9s finger trick

Use your fingers to find 9×4 . Which finger do you fold down? How many tens and ones do you see?



Fold down finger 4.

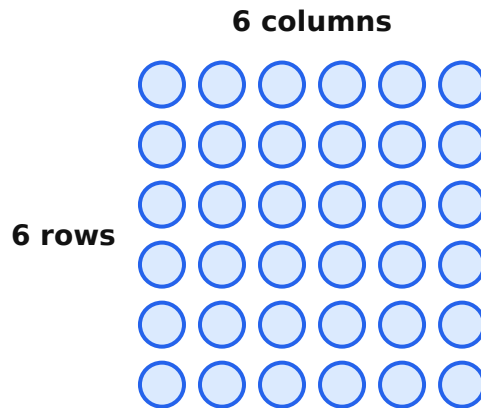
Problem 7: Multiply by 9

Find each product. Check that the digits of each answer add to 9.

- a. 9×6
- b. 9×8
- c. 9×3
- d. 9×9

Problem 8: Square numbers

The array has the same number of rows and columns. Find each product.



A square array: 6 rows and 6 columns.

- a. 6×6
- b. 7×7
- c. 8×8
- d. 9×9

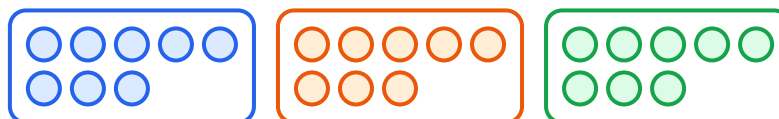
Problem 9: Missing factor

Find the missing number.

- a. $7 \times ? = 56$
- b. $6 \times ? = 42$
- c. $? \times 9 = 72$
- d. $4 \times ? = 32$

Problem 10: Equal groups

Twenty-four dots are shared equally into 3 groups. How many dots are in each group? Write a division fact and a multiplication fact.



24 dots in 3 equal groups.

Problem 11: Divide

Find each quotient.

- a. $18 \div 2$
- b. $35 \div 5$
- c. $40 \div 10$
- d. $27 \div 9$

Problem 12: Think multiplication

Think of a multiplication fact to find each quotient.

- a. $56 \div 7$
- b. $45 \div 9$
- c. $36 \div 6$
- d. $64 \div 8$

Problem 13: Finish the fact family

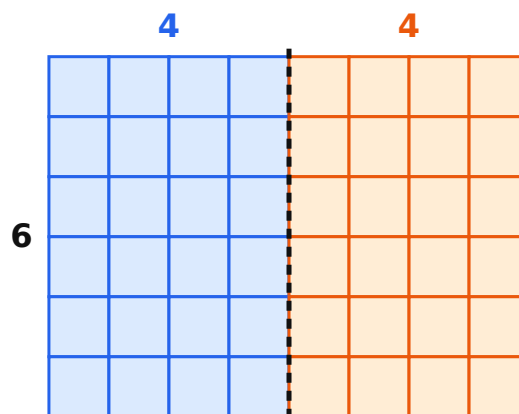
Write the other three facts in the fact family for $5 \times 7 = 35$.

Problem 14: Break apart a square

Fill in the missing number. $8 \times 8 = 8 \times 4 + 8 \times ?$ Then find the product.

Problem 15: Break apart with a picture

Find 6×8 by finding the area of each part of the rectangle and adding.



A 6 by 8 rectangle split into two equal parts.

Problem 16: Use the table

Use the multiplication table to find 7×8 and 8×7 . What do you notice?

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

A multiplication table. Find row 7 and column 8.

Problem 17: Fact fluency mix

Find each product.

- a. 3×8
- b. 4×7
- c. 6×9
- d. 9×5
- e. 8×6
- f. 7×9

Problem 18: Division fluency mix

Find each quotient.

- a. $42 \div 6$
- b. $63 \div 7$
- c. $81 \div 9$
- d. $48 \div 8$
- e. $72 \div 9$
- f. $36 \div 4$

Problem 19: Compare the products

Answer each question.

- a. Which is greater, 6×8 or 7×7 ?
- b. Are 9×4 and 6×6 equal?

Problem 20: Apple baskets

At a farmers market, Jamal packs 9 baskets with 4 apples in each basket. How many apples are there in all?

Problem 21: Sticker pages

Sofia has 45 stickers. She puts 5 stickers on each page of her album. How many pages does she fill?

Problem 22: Muffin boxes

For a bake sale, Priya bakes 8 trays of 6 muffins. She packs all the muffins equally into 6 boxes. How many muffins are in each box?

Problem 23: Little League teams

There are 72 players in a Little League. They are split equally onto 9 teams. How many players are on each team?

Problem 24: Sticker packs

Diego has 4 packs of 8 stickers. Liam has 6 packs of 8 stickers. How many stickers do the two boys have together?

Problem 25: School store shopping

Mei buys 7 notebooks for \$3 each and 9 pencils for \$2 each at the school store. How much does she spend in all?