

Multiplying Multi-Digit Whole Numbers: math practice, Grade 4 – download the PDF

21 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1 Multiples of 10 and 100



Find each product using a basic fact.

- a. 30×4
- b. 8×700
- c. $9 \times 4,000$
- d. 60×50

2 Missing factors



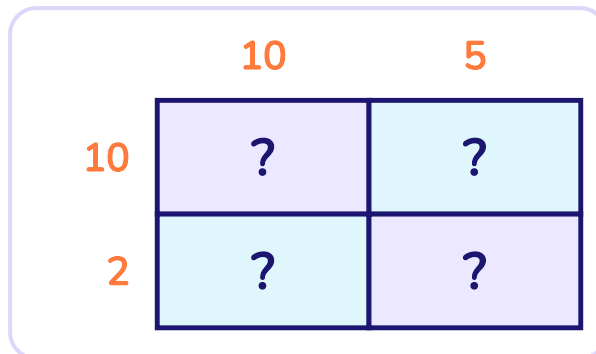
Find the missing number in each equation.

- a. $7 \times \square = 490$
- b. $\square \times 600 = 3,600$
- c. $5 \times \square = 45,000$
- d. $80 \times \square = 640$

3 Complete the area model



Complete the area model to find 15×12 . Write the four partial products and then the total.



4 Expanded form



Use expanded form and partial products to find $2,314 \times 3$.

5 True or false?



Say whether each statement is true or false. Explain.

- a. $4 \times 30 = 12$
- b. $6 \times 500 = 3,000$
- c. $20 \times 20 = 40$
- d. $3 \times 7,000 = 21,000$

6 Muffins at the bakery



A bakery bakes 60 muffins on each tray. How many muffins are on 8 trays?

7 Name the property



Name the property of multiplication that each equation shows.

a. $9 \times 4 = 4 \times 9$

b. $(2 \times 5) \times 7 = 2 \times (5 \times 7)$

c. $6 \times (10 + 3) = 6 \times 10 + 6 \times 3$

d. $8 \times 1 = 8$

e. $0 \times 345 = 0$

8 4-digit times 1-digit



Use partial products to find each product.

a. $1,238 \times 5$

b. $7,052 \times 6$

9 Two 2-digit numbers



Find 34×26 using two lines of partial products.

10 Area model for 42 times 31



Complete the area model and find 42×31 .

	40	2
30	?	?
1	?	?

11 Estimate first



Estimate each product by rounding. Then find the exact product and compare.

a. 63×28

b. $5,917 \times 4$

12 Find the mistake



Mia wrote $3,205 \times 4 = 12,020$. Is she right? If not, find her mistake and give the correct product.

13 Seats in the stadium



A stadium section has 48 rows with 65 seats in each row. How many seats are in the section?

14 Mental math with properties



Use the distributive or associative property to find each product in your head.

a. 7×98 (think $98 = 100 - 2$)

b. 6×102

c. 25×12 (think $12 = 4 \times 3$)

15 Farm stand sales



A farm stand sells 36 baskets of apples at \$14 per basket and 27 baskets of pears at \$18 per basket. How much money does the stand earn in all?

16 Cargo ship

A cargo ship carries 2,468 containers on each trip. It makes 7 trips. (a) How many containers does it carry in all? (b) The company needs to move 20,000 containers. How many more are needed?

17 The missing digit

The product of a 2-digit number $4\Box$ and 23 is 1,058. Which digit is hidden? Show how you know.

18 Which is greater?

Without using a calculator, decide which product is greater, 35×48 or 36×47 , and by how much.

19 Fundraiser goal

A school band wants to raise \$5,000. It sells 78 tickets at \$62 each. (a) Estimate the money raised. (b) Find the exact amount. (c) Does the band reach its goal? If not, how much is missing?

20 Garden area

A rectangular garden is 85 feet long and 27 feet wide. (a) Find its area in square feet. (b) A second garden is 3 times as long and has the same width. What is the area of the second garden?

21

Greatest product

Use each of the digits 2, 3, 4, and 5 exactly once to make two 2-digit numbers. What is the greatest product you can make?

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