

Grade 4 - Multiplying Multi-Digit Numbers - Worksheet

Common Core 4.NBT.B.5 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

These 20 problems practice multiplying multi-digit whole numbers (Common Core 4.NBT.B.5): up to 4-digit by 1-digit and 2-digit by 2-digit. You will use area models, partial products, properties of operations, and mental math with multiples of 10. The last six problems are real-world word problems.

Grade 4 · Common Core State Standards: **4.NBT.B.5**

Exercise 1 - Multiples of 10

Find 30×4 .

Exercise 2 - Tens times tens

Find 70×50 .

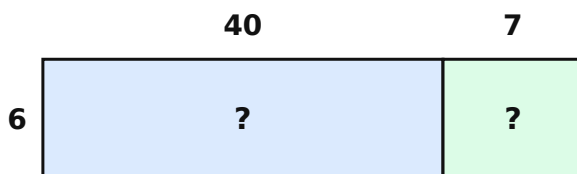
Exercise 3 - Hundreds

Find 6×400 .

Exercise 4 - Thousands

Find $8 \times 5,000$.

Exercise 5 - Area model: 47×6



Fill in the area model.

Complete the area model to find 47×6 .

Exercise 6 - Partial products: 58×7

Find 58×7 using partial products.

Exercise 7 - Three-digit number

Find 326×4 .

Exercise 8 - Four-digit number

	1,000	200	40	9
3	?	?	?	?

Fill in the area model.

Complete the area model to find $1,249 \times 3$.

Exercise 9 - Zero in the number

Find $4,805 \times 6$.

Exercise 10 - Two-digit by two-digit

Find 23×14 using partial products.

Exercise 11 - Area model: 36×24

	30	6
20	?	?
4	?	?

Fill in the area model.

Complete the area model to find 36×24 .

Exercise 12 - Area model: 45×62

	60	2
40	?	?
5	?	?

Fill in the area model.

Complete the area model to find 62×45 .

Exercise 13 - Bigger partial products

Find 78×53 .

Exercise 14 - Use a property

Use a property of multiplication to find $4 \times 17 \times 25$.

Exercise 15 - Peach baskets

At the farmers market, a stand packs 45 peaches in each basket. The stand fills 28 baskets. How many peaches are in all the baskets?

Exercise 16 - Stadium seats

A baseball stadium has 8 sections with 1,275 seats in each section. How many seats are in the stadium?

sections	1,275	1,275	1,275	1,275	1,275	1,275	1,275	1,275
----------	-------	-------	-------	-------	-------	-------	-------	-------

Eight sections of 1,275 seats.

Exercise 17 - Road trip miles

Aisha's family drives 347 miles each day for 6 days on a road trip. How many miles do they drive in all?

Exercise 18 - Baseball card packs

Each pack of baseball cards has 12 cards. Diego buys 47 packs. How many cards does he buy?

Exercise 19 - Theater seats

A theater has 24 rows with 38 seats in each row. The theater reserves 150 seats for a school group. How many seats are left for other guests?

Exercise 20 - Find the mistake

Liam says that $30 \times 50 = 150$ because $3 \times 5 = 15$. Explain his mistake and give the correct product.