LESSON MAKER PRO

Product Power

Multiply larger whole numbers with care.

GRADE 4 · MA.4.NSO.2.2

MA.4.NSO.2.2 "Multiply two whole numbers, up to three digits by up to two digits, with procedural reliability."

NAME _____ DATE _____

BREAK APART A FACTOR

When you multiply by a two-digit number, break it into tens and ones. Multiply by each part, then add the partial products.

WORKED EXAMPLE

243 × 16

1. Break 16 into 10 + 6.
2. 243 × 6 = 1,458.
3. 243 × 10 = 2,430.
4. 1,458 + 2,430 = 3,888.

Answer: 3,888

PRACTICE 6 problems

1 34 × 7

ANSWER _____

2 126 × 4

ANSWER _____

3 58 × 12

ANSWER _____

4 203 × 15

ANSWER _____

5 317 × 21

ANSWER _____

6 408 × 32

ANSWER _____

APPLY IT Show your work

1 A comic club puts 27 stickers on each of 42 prize sheets. How many stickers does the club use?

WORK SPACE

ANSWER _____

2 A robotics team needs 135 bolts for each of 18 building kits. How many bolts does the team need altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Solve 326 × 47. Show partial products or another method that proves your answer.

WORK SPACE AND ANSWER

ANSWER KEY

Product Power

GRADE 4 · MA.4.NSO.2.2

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	34 × 7	**238**
2	126 × 4	**504**
3	58 × 12	**696**
4	203 × 15	**3,045**
5	317 × 21	**6,657**
6	408 × 32	**13,056**

PART 2 · APPLY IT

1. **1,134 stickers** Multiply 27 by 42. 27 × 42 = 1,134.
2. **2,430 bolts** Multiply 135 by 18. 135 × 18 = 2,430.

CHALLENGE

15,322

Accept any accurate multiplication method, including partial products or the standard algorithm. For word problems, students should include the correct unit in their final answer.