LESSON MAKER PRO

Product Power

Use the standard algorithm to multiply whole numbers.

GRADE 5 · MA.5.NSO.2.1

MA.5.NSO.2.1 "Multiply multi-digit whole numbers including using a standard algorithm with procedural fluency."

NAME _____ DATE _____

MULTIPLY IN PLACE

Multiply by each digit in the bottom factor, starting with the ones digit. Write each partial product in the correct place value, then add the partial products.

WORKED EXAMPLE

326 x 47

1. 326 x 7 = 2,282
2. 326 x 40 = 13,040
3. 2,282 + 13,040 = 15,322

Answer: 15,322

PRACTICE 6 problems

1 48 x 36

ANSWER _____

2 205 x 34

ANSWER _____

3 672 x 15

ANSWER _____

4 1,204 x 23

ANSWER _____

5 3,506 x 8

ANSWER _____

6 914 x 62

ANSWER _____

APPLY IT Show your work

1 The school gaming club orders 128 sticker sheets. Each sheet has 14 game-character stickers. How many stickers does the club order?

WORK SPACE

ANSWER _____

2 During a reading challenge, Maya earns 18 points for each of 247 pages she reads. How many points does she earn?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A concert venue has 2,407 seats in each section. There are 36 sections. How many seats are there in all?

WORK SPACE AND ANSWER

ANSWER KEY

Product Power

GRADE 5 · MA.5.NSO.2.1

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	48 x 36	**1,728**
2	205 x 34	**6,970**
3	672 x 15	**10,080**
4	1,204 x 23	**27,692**
5	3,506 x 8	**28,048**
6	914 x 62	**56,668**

PART 2 · APPLY IT

1. **1,792 stickers** Multiply 128 x 14. The club orders 1,792 stickers.
2. **4,446 points** Multiply 247 x 18. Maya earns 4,446 points.

CHALLENGE

86,652 seats

Accept correct products with or without commas. Students may use the standard algorithm or another accurate place-value strategy.