LESSON MAKER PRO

Multiply Power

Use place value to solve bigger multiplication problems.

GRADE 4 · TEKS 4.4.D

4.4.D "use strategies and algorithms, including the standard algorithm, to multiply up to a four- digit number by a one-digit number and to multiply a two-digit number by a two-digit number. Strategies may include mental math, partial products..."

NAME _____ DATE _____

MULTIPLY BY PLACE VALUE

Line up digits by place value. For a two-digit multiplier, multiply by the ones digit, then multiply by the tens digit, and add the partial products. For a one-digit multiplier, multiply each place value and regroup when needed.

WORKED EXAMPLE

236 x 24

1. Multiply 236 x 4 = 944.
2. Multiply 236 x 20 = 4,720.
3. Add the partial products: 944 + 4,720 = 5,664.

Answer: 5,664

PRACTICE 6 problems

1 3,482 x 6

ANSWER _____

2 1,709 x 5

ANSWER _____

3 4,056 x 7

ANSWER _____

4 47 x 32

ANSWER _____

5 68 x 14

ANSWER _____

6 39 x 27

ANSWER _____

APPLY IT Show your work

1 A game club buys 28 packs of trading cards. Each pack has 35 cards. How many trading cards does the club buy?

WORK SPACE

ANSWER _____

2 During a reading challenge, 7 classes each read 1,246 pages. How many pages did the classes read altogether?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Use the distributive property to solve 46 x 19. Show how you can use 20 and subtract one group of 46.

WORK SPACE AND ANSWER

ANSWER KEY

Multiply Power

GRADE 4 · TEKS 4.4.D

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	3,482 x 6	**20,892**
2	1,709 x 5	**8,545**
3	4,056 x 7	**28,392**
4	47 x 32	**1,504**
5	68 x 14	**952**
6	39 x 27	**1,053**

PART 2 · APPLY IT

1. **980 trading cards** Multiply 28 x 35. The club buys 980 trading cards.
2. **8,722 pages** Multiply 1,246 x 7. The classes read 8,722 pages altogether.

CHALLENGE

874; 46 x 20 - 46 = 920 - 46 = 874

Accept correct standard-algorithm work, partial products, or other accurate place-value strategies. For the challenge, accept equivalent equations that show 46 x 20 minus 46.