LESSON MAKER PRO

Multiply With Power

Use the standard algorithm to multiply two-digit numbers by one-digit numbers.

GRADE 3 · TEKS 3.4.G

3.4.G "use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number. Strategies may include mental math, partial products, and the commutative, associative, and distributive properties;"

NAME _____ DATE _____

MULTIPLY AND REGROUP

Write the two-digit number above the one-digit number. Multiply the ones first, regroup if needed, then multiply the tens and add any regrouped tens.

WORKED EXAMPLE

34 x 6

1. Multiply ones: 6 x 4 = 24. Write 4 in the ones place and regroup 2 tens.
2. Multiply tens: 6 x 3 tens = 18 tens.
3. Add the 2 regrouped tens: 18 tens + 2 tens = 20 tens.

Answer: 204

PRACTICE 6 problems

1 27 x 4 =

ANSWER _____

2 56 x 3 =

ANSWER _____

3 42 x 7 =

ANSWER _____

4 68 x 5 =

ANSWER _____

5 73 x 8 =

ANSWER _____

6 91 x 2 =

ANSWER _____

APPLY IT Show your work

1 A game store puts 26 trading cards in each prize pack. It makes 4 prize packs. How many trading cards does it use?

WORK SPACE

ANSWER _____

2 Maya makes 7 bracelets. She puts 39 beads on each bracelet. How many beads does Maya use?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A school club orders 87 buttons for each of 9 events. How many buttons does the club order altogether?

WORK SPACE AND ANSWER

ANSWER KEY

Multiply With Power

GRADE 3 · TEKS 3.4.G

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	27 x 4 =	**108**
2	56 x 3 =	**168**
3	42 x 7 =	**294**
4	68 x 5 =	**340**
5	73 x 8 =	**584**
6	91 x 2 =	**182**

PART 2 · APPLY IT

1. **104 trading cards** Multiply 26 x 4. The store uses 104 trading cards.
2. **273 beads** Multiply 39 x 7. Maya uses 273 beads.

CHALLENGE

783 buttons

Accept correct standard-algorithm work, including regrouping written above the tens place. Students may use partial products if their multiplication and total are correct.