

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

$$34 \times 6$$

1. Multiply ones: $6 \times 4 = 24$. Write 4 in the ones place and regroup 2 tens.
2. Multiply tens: $6 \times 3 \text{ tens} = 18 \text{ tens}$.
3. Add the 2 regrouped tens: $18 \text{ tens} + 2 \text{ tens} = 20 \text{ tens}$.

Answer: 204**PRACTICE** 6 problems

1 $27 \times 4 =$

ANSWER _____

2 $56 \times 3 =$

ANSWER _____

3 $42 \times 7 =$

ANSWER _____

4 $68 \times 5 =$

ANSWER _____

5 $73 \times 8 =$

ANSWER _____

6 $91 \times 2 =$

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

CHALLENGE

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

PART 1 • PRACTICE

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

PART 2 • APPLY IT

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