

Multiply Mission

Use the standard algorithm to multiply three-digit and two-digit numbers.

GRADE 5 • TEKS 5.3.B

5.3.B "multiply with fluency a three-digit number by a two-digit number using the standard algorithm;"

NAME _____

DATE _____

BUILD PARTIAL PRODUCTS

Multiply the three-digit number by the ones digit first. Then multiply by the tens digit, remembering that the tens digit means tens, and add the partial products.

WORKED EXAMPLE

$$324 \times 17$$

1. Multiply by 7 ones: $324 \times 7 = 2,268$.
2. Multiply by 1 ten: $324 \times 10 = 3,240$.
3. Add the partial products: $2,268 + 3,240 = 5,508$.

Answer: 5,508

PRACTICE 6 problems

1 146×23

ANSWER _____

2 275×14

ANSWER _____

3 308×26

ANSWER _____

4 419×32

ANSWER _____

5 562×15

ANSWER _____

6 731×18

ANSWER _____

APPLY IT Show your work

- 1** The school library buys 27 sets of graphic novels. Each set has 136 books. How many graphic novels does the library buy?

WORK SPACE

ANSWER _____

- 2** A science club gives 218 glow stickers to each of 34 student teams. How many glow stickers does the club give away?

WORK SPACE

ANSWER _____

CHALLENGE One step up

$$784 \times 96$$

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	146×23	3,358
2	275×14	3,850
3	308×26	8,008
4	419×32	13,408
5	562×15	8,430
6	731×18	13,158

PART 2 • APPLY IT

1. **3,672 graphic novels** Multiply 136×27 . The library buys 3,672 graphic novels.
2. **7,412 glow stickers** Multiply 218×34 . The club gives away 7,412 glow stickers.

CHALLENGE

75,264

Accept correct products shown with the standard algorithm or with correctly added partial products. For word problems, accept the number with or without the unit if the multiplication is correct.