

Multiply Mission

Build fluency with two-digit multiplication.

GRADE 4 • MA.4.NSO.2.3

MA.4.NSO.2.3 "Multiply two whole numbers, each up to two digits, including using a standard algorithm with procedural fluency."

NAME _____

DATE _____

LINE UP PARTIAL PRODUCTS

Multiply by the ones digit first. Then multiply by the tens digit, making sure the second partial product starts in the tens place. Add the partial products to find the total.

WORKED EXAMPLE

$$34 \times 12$$

1. Multiply 34 by 2 ones: $34 \times 2 = 68$.
2. Multiply 34 by 1 ten: $34 \times 10 = 340$.
3. Add the partial products: $68 + 340 = 408$.

Answer: 408

PRACTICE 6 problems

1 $27 \times 6 = \underline{\hspace{2cm}}$

ANSWER _____

2 $43 \times 8 = \underline{\hspace{2cm}}$

ANSWER _____

3 $16 \times 25 = \underline{\hspace{2cm}}$

ANSWER _____

4 $39 \times 14 = \underline{\hspace{2cm}}$

ANSWER _____

5 $62 \times 13 = \underline{\hspace{2cm}}$

ANSWER _____

6 $48 \times 21 = \underline{\hspace{2cm}}$

ANSWER _____

APPLY IT Show your work

- 1** A video game tournament has 23 teams. Each team earns 16 points for finishing a challenge. How many points do all the teams earn?

WORK SPACE

ANSWER _____

- 2** A student puts 24 trading cards on each page of an album. The album has 15 filled pages. How many trading cards are in the album?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Find 96×87 . Show both partial products.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	$27 \times 6 = \underline{\quad}$	162
2	$43 \times 8 = \underline{\quad}$	344
3	$16 \times 25 = \underline{\quad}$	400
4	$39 \times 14 = \underline{\quad}$	546
5	$62 \times 13 = \underline{\quad}$	806
6	$48 \times 21 = \underline{\quad}$	1,008

PART 2 • APPLY IT

1. **368 points** Multiply 23×16 . The teams earn 368 points altogether.
2. **360 trading cards** Multiply 24×15 . The album has 360 trading cards.

CHALLENGE

8,352 ($96 \times 7 = 672$; $96 \times 80 = 7,680$)

Accept correct standard-algorithm work, partial-products work, or another accurate multiplication method. For the challenge, accept partial products written as 672 and 7,680, then added to 8,352.