

Long Multiplication & Division

Number & Operations · Grade 5

Score: _____ / 15

★ Hard · 15 Questions

Solve each problem. Show your work in the space provided. Write your answer on the line.

1. $423 \times 312 = \underline{\hspace{2cm}}$

Answer: _____

2. $514 \times 236 = \underline{\hspace{2cm}}$

Answer: _____

3. $308 \times 245 = \underline{\hspace{2cm}}$

Answer: _____

4. $652 \times 174 = \underline{\hspace{2cm}}$

Answer: _____

5. A stadium holds 485 seats per section.

There are 126 sections.

How many seats in all?

Answer: _____

6. $729 \times 308 = \underline{\hspace{2cm}}$

Answer: _____

7. Tiles are 124 cm^2 each. A floor needs 365 tiles.
What is the total tile area?

Answer: _____

8. $416 \times 275 = \underline{\hspace{2cm}}$

Answer: _____

9. A publisher prints 348 pages per book and ships 215 books.
How many pages printed in all?

Answer: _____

10. $563 \times 194 = \underline{\hspace{2cm}}$

Answer: _____

11. $837 \times 463 = \underline{\hspace{2cm}}$

Answer: _____

- 12.** A warehouse has 245 shelves. Each holds 312 items.
How many items fit in the warehouse?

Answer: _____

- 13.** $612 \times 508 = \underline{\hspace{2cm}}$

Answer: _____

- 14.** An arena seats 924 people per row and has 385 rows.
How many people can it hold?

Answer: _____

15. $705 \times 396 = \underline{\hspace{2cm}}$

Answer: _____

Answer Key

Long Multiplication & Division — Hard

1. **131,976**

$423 \times 300 = 126,900$, $423 \times 12 = 5,076$. $126,900 + 5,076 = 131,976$.

2. **121,304**

$514 \times 200 = 102,800$, $514 \times 36 = 18,504$. $102,800 + 18,504 = 121,304$.

3. **75,460**

$308 \times 200 = 61,600$, $308 \times 45 = 13,860$. $61,600 + 13,860 = 75,460$.

4. **113,448**

$652 \times 100 = 65,200$, $652 \times 74 = 48,248$. $65,200 + 48,248 = 113,448$.

5. **61,110**

485×126 : $485 \times 100 = 48,500$, $485 \times 26 = 12,610$. $48,500 + 12,610 = 61,110$.

6. **224,532**

$729 \times 300 = 218,700$, $729 \times 8 = 5,832$. $218,700 + 5,832 = 224,532$.

7. **45,260 cm²**

124×365 : $124 \times 300 = 37,200$, $124 \times 65 = 8,060$. $37,200 + 8,060 = 45,260$.

8. **114,400**

$416 \times 200 = 83,200$, $416 \times 75 = 31,200$. $83,200 + 31,200 = 114,400$.

9. **74,820**

348×215 : $348 \times 200 = 69,600$, $348 \times 15 = 5,220$. $69,600 + 5,220 = 74,820$.

10. **109,222**

$563 \times 100 = 56,300$, $563 \times 94 = 52,922$. $56,300 + 52,922 = 109,222$.

11. 387,531

$837 \times 400 = 334,800$, $837 \times 63 = 52,731$. $334,800 + 52,731 = 387,531$.

12. 76,440

245×312 : $245 \times 300 = 73,500$, $245 \times 12 = 2,940$. $73,500 + 2,940 = 76,440$.

13. 310,896

$612 \times 500 = 306,000$, $612 \times 8 = 4,896$. $306,000 + 4,896 = 310,896$.

14. 355,740

924×385 : $924 \times 300 = 277,200$, $924 \times 85 = 78,540$. $277,200 + 78,540 = 355,740$.

15. 279,180

$705 \times 400 = 282,000$, $705 \times (-4) = -2,820$. $282,000 - 2,820 = 279,180$. Or:
 $705 \times 396 = 705 \times 400 - 705 \times 4 = 282,000 - 2,820 = 279,180$.
