

Multiplication by 2-Digit and 3-Digit Numbers

Unit: Operations - Student Practice Worksheet

Overview: Anaya multiplied 34 by 25 and got 238. Her estimate said the answer should be around 900. She had done both multiplications perfectly. She had just stacked them in the same column.

Practice Questions (30 Total)

Section A - Easy

Q1. Four teal bars of 23. What is 23×4 ?



23 groups of 4

- ☐ A. 92
- ☐ B. 82
- ☐ C. 86
- ☐ D. 112

Q2. Compute 56×10

- ☐ A. 56
- ☐ B. 5600
- ☐ C. 506
- ☐ D. 560

Q3. Compute 45×6

- ☐ A. 240
- ☐ B. 270
- ☐ C. 250
- ☐ D. 280

Q4. Column multiply 123×3 . Product?

$$\begin{array}{r} 123 \\ \times 3 \\ \hline \end{array}$$

- ☐ A. 359
- ☐ B. 469
- ☐ C. 369
- ☐ D. 339

Q5. Compute 78×100

- ☐ A. 7800
- ☐ B. 780
- ☐ C. 78000
- ☐ D. 708

Q6. Compute 89×5

- ☐ A. 405
- ☐ B. 455
- ☐ C. 445
- ☐ D. 435

Q7. Column multiply 345×4 . Product?

$$\begin{array}{r} 345 \\ \times 4 \\ \hline \end{array}$$

- ☐ A. 1280
- ☐ B. 1360
- ☐ C. 1390
- ☐ D. 1380

Q8. Compute 234×2

- ☐ A. 448
- ☐ B. 468
- ☐ C. 478
- ☐ D. 236

Q9. Compute 456×7

- ☐ A. 3092
- ☐ B. 3192
- ☐ C. 3182
- ☐ D. 2892

Q10. Compute 67×8 , carrying from $7 \times 8 = 56$ into the tens.

- ☐ A. 536
- ☐ B. 526
- ☐ C. 486
- ☐ D. 546

Section B - Medium

Q11. Two-row multiply 34×25 . Watch the tens-row extra zero.

$$\begin{array}{r} 34 \\ \times 25 \\ \hline \end{array}$$

- ☐ A. 238
- ☐ B. 750
- ☐ C. 850
- ☐ D. 860

Q12. Compute 208×35

- ☐ A. 7180
- ☐ B. 7290
- ☐ C. 7270
- ☐ D. 7280

Q13. Compute 56×43

- ☐ A. 2308
- ☐ B. 2418
- ☐ C. 2398
- ☐ D. 2408

Q14. Two-row multiply 123×45 . Product?

$$\begin{array}{r} 123 \\ \times 45 \\ \hline \end{array}$$

- ☐ A. 5535
- ☐ B. 5435
- ☐ C. 5545
- ☐ D. 1107

Q15. Compute 456×34

- ☐ A. 15,404
- ☐ B. 15,504
- ☐ C. 15,514
- ☐ D. 15,494

Q16. Compute 234×32

- ☐ A. 7388
- ☐ B. 7488
- ☐ C. 7498
- ☐ D. 7288

Q17. Two-row multiply 78×56 . Product?

$$\begin{array}{r} 78 \\ \times 56 \\ \hline \end{array}$$

- ☐ A. 4268
- ☐ B. 4378
- ☐ C. 4368
- ☐ D. 4358

Q18. Compute 345×21

- ☐ A. 7145
- ☐ B. 6900
- ☐ C. 7255

☐ D. 7245

Q19. Compute 67×89

☐ A. 5963

☐ B. 5863

☐ C. 6063

☐ D. 5953

Q20. Compute 91×47 as two rows, then add them.

☐ A. 4177

☐ B. 4287

☐ C. 4277

☐ D. 4267

Section C - Challenge

Q21. Three-row multiply 234×123 . Product?

$$\begin{array}{r} 234 \\ \times 123 \\ \hline \end{array}$$

☐ A. 28,782

☐ B. 27,782

☐ C. 28,682

☐ D. 5,382

Q22. Anaya wrote 68 instead of 680 in her second row. What did she actually multiply by?

☐ A. 20, as intended

☐ B. 2 instead of 20

☐ C. 200 instead of 20

☐ D. 25 instead of 20

Q23. Compute 456×234

☐ A. 1,05,704

☐ B. 1,06,704

☐ C. 1,06,604

☐ D. 1,16,704

Q24. 125 books at Rs 248 each. Total cost?



125 books $\times$ Rs 248

☐ A. Rs 30,000

☐ B. Rs 32,000

☐ C. Rs 31,200

☐ D. Rs 31,000

Q25. Multiply the greatest 3-digit number by the smallest 3-digit number.

☐ A. 99,900

☐ B. 9,99,000

☐ C. 98,901

☐ D. 99,000

Q26. A shop sells 145 pens a day. How many in 365 days?

☐ A. 52,825

☐ B. 51,925

☐ C. 52,925

☐ D. 53,925

Q27. 18 coaches, 72 seats each. Total seats?



18 coaches $\times$ 72 seats

☐ A. 1,196

☐ B. 1,296

☐ C. 1,306

☐ D. 1,286

Q28. A factory makes 2340 items a day. How many in 45 days?

- ☐ A. 1,04,300
- ☐ B. 1,06,300
- ☐ C. 1,05,400
- ☐ D. 1,05,300

Q29. Compute 125×88

- ☐ A. 10,000
- ☐ B. 11,100
- ☐ C. 11,000
- ☐ D. 10,900

Q30. Compute 999×999 as 999×1000 minus 999.

- ☐ A. 9,98,001
- ☐ B. 9,99,001
- ☐ C. 9,98,101
- ☐ D. 8,98,001

Answer Key

- Q1:** (A) (a) 92. Twenty fours are 80, plus three fours is 12.
- Q2:** (D) (d) 560. Multiplying by 10 shifts every digit one place left, and a zero fills the ones column.
- Q3:** (B) (b) 270. The ones give 30, so 3 carries into the tens.
- Q4:** (C) (c) 369. Each digit multiplies cleanly with no carries at all.
- Q5:** (A) (a) 7800. Two zeros, because 100 shifts everything two places left.
- Q6:** (C) (c) 445. Nine fives are 45, so 4 carries into the tens column.
- Q7:** (D) (d) 1380. Carries come out of both the ones and the tens columns.
- Q8:** (B) (b) 468. Option (d) adds 2 instead of multiplying by it.
- Q9:** (B) (b) 3192. Three separate carries run through this one.
- Q10:** (A) (a) 536. Seven eights are 56, so 5 carries into the tens.
- Q11:** (C) (c) 850. Rows are 170 and 680. Option (a) is Anaya's error — the second row written as 68 instead of 680.
- Q12:** (D) (d) 7280. The zero in 208 still produces a row entry — it does not let you skip a column.
- Q13:** (D) (d) 2408. Rows are 168 and 2240. Estimate: $60 \times 40 = 2400$, which sits right beside it.
- Q14:** (A) (a) 5535. Rows are 615 and 4920. Option (d) is the first row only, with the tens row forgotten entirely.
- Q15:** (B) (b) 15,504. Rows are 1824 and 13,680. Estimate: 450×35 is about 15,750, so the answer should sit just under that.
- Q16:** (B) (b) 7488. Rows are 468 and 7020.
- Q17:** (C) (c) 4368. Rows are 468 and 3900. Estimate: $80 \times 60 = 4800$, comfortably close.
- Q18:** (D) (d) 7245. Rows are 345 and 6900. Option (b) is the tens row alone.
- Q19:** (A) (a) 5963. Rows are 603 and 5360. Estimate: $70 \times 90 = 6300$.
- Q20:** (C) (c) 4277. Rows are 637 and 3640.
- Q21:** (A) (a) 28,782. Rows are 702, 4680 and 23,400. Option (d) omits the hundreds row completely.
- Q22:** (B) (b) 2 instead of 20. The digit is a 2 but its value is twenty, so its row must be ten times bigger — hence the zero.
- Q23:** (B) (b) 1,06,704. Estimate: 450×230 is about 1,03,500, so the answer should be just above a lakh.
- Q24:** (D) (d) Rs 31,000. Estimate: $125 \times 250 = 31,250$, so it should be a little under that.
- Q25:** (A) (a) 99,900. That is 999×100 . Option (c) is 999×99 , using the wrong smallest 3-digit number.

Q26: (C) (c) 52,925. Estimate: $150 \times 400 = 60,000$, so an answer in the low fifty-thousands is right.

Q27: (B) (b) 1,296. Estimate: $20 \times 70 = 1,400$, so just under fourteen hundred is expected.

Q28: (D) (d) 1,05,300. Estimate: $2000 \times 45 = 90,000$, so a little over a lakh is right.

Q29: (C) (c) 11,000. Rows are 1000 and 10,000. The round answer is a good sign, since $125 \times 8 = 1000$ exactly.

Q30: (A) (a) 9,98,001. Treat it as 999×1000 minus 999, which is $999000 - 999$.

You've got this! Keep learning and shining! - Ruchi Math Coaching