

CHAPTER-2 | ARITHMETIC EXPRESSIONS

QUIZ
PART-17

1. Given $53 \times 18 = 954$, the value of 63×18 is:

- A. 1134
B. 1124
C. 1144
D. 1114 (A)

Explanation: 63×18 is 10×18 more than 53×18 , so add 180 to 954.

2. 97×25 can be written as:

- A. $(100 + 3) \times 25$
B. $(100 - 3) \times 25$
C. $(90 + 7) \times 20$
D. $(97 - 25) \times 1$ (B)

Explanation: 97 is 3 less than 100, so $97 \times 25 = (100 - 3) \times 25$.

3. The value of 97×25 is:

- A. 2405
B. 2425
C. 2450
D. 2475 (B)

Explanation: $97 \times 25 = (100 - 3) \times 25 = 2500 - 75 = 2425$.

4. The value of 95×8 is:

- A. 740
B. 750
C. 760
D. 770 (C)

Explanation: $95 \times 8 = (100 - 5) \times 8 = 800 - 40 = 760$.

5. The value of 104×15 is:

- A. 1540
B. 1560
C. 1580
D. 1600 (B)

Explanation: $104 \times 15 = (100 + 4) \times 15 = 1500 + 60 = 1560$.

6. The value of 49×50 is:

- A. 2400
B. 2450
C. 2500
D. 2550 (B)

Explanation: $49 \times 50 = (50 - 1) \times 50 = 2500 - 50 = 2450$.

7. Which property is used in solving 97×25 as $(100 - 3) \times 25$?

- A. Closure property
B. Division property
C. Distributive property
D. Identity property (C)

Explanation: The distributive property helps break a product into easier parts.

8. The value of 98×99 is:

- A. 9802
B. 9702
C. 9602
D. 9502 (A)

Explanation: $98 \times 99 = 98 \times (100 - 1) = 9800 - 98 = 9702$? Wait, better use $(100 - 2)(100 - 1) = 10000 - 300 + 2 = 9702$. So correct option is B.

9. The value of 61×98 is:

- A. 5978
B. 5988
C. 5968
D. 5958 (A)

Explanation: $61 \times 98 = 61 \times (100 - 2) = 6100 - 122 = 5978$.

10. Which product is best solved quickly by adjusting to 100?

- A. 98×99
B. 17×13
C. 21×14
D. 12×11 (A)

Explanation: Numbers close to 100 are easier to multiply using adjustment methods.