

Order of Operations

Evaluate each expression.

1) $3(6 + 7)$

2) $5 \times 3 \times 2$

3) $72 \div 9 + 7$

4) $2 + 7 \times 5$

5) $9 + 8 - 7$

6) $9 - 32 \div 4$

7) $5(10 - 1)$

8) $48 \div (4 + 4)$

9) $20 \div (4 - (10 - 8))$

10) $40 \div 4 - (5 - 3)$

11) $9 + 9 + 6 - 5$

12) $(5 + 16) \div 7 - 2$

13) $7 + 10 \times 5 + 10$

14) $(6 + 25 - 7) \div 6$

$$15) (6 - 4) \times 49 \div 7$$

$$16) (7 \times 5) \div 5$$

$$17) \frac{43 - 1}{4 + 2} + 10$$

$$18) (8 + 5) \times \frac{35}{5} + 6$$

$$19) \frac{27}{2 + 3 + 4} + 3$$

$$20) \frac{45}{8(5 - 4) - 3}$$

$$21) 8 \times \frac{15}{5} - (5 + 9)$$

$$22) 2 \times 7 - \frac{10}{9 - 4}$$

$$23) (10 + 2 - 2) \times 6 - 1$$

$$24) \frac{49}{7} \times \frac{60}{2 \times 5}$$

$$25) (2 + 6 \times 2 + 2 - 4) \times 2$$

$$26) \frac{8}{5 - 1} \times (3 + 6) \times 3$$



Determine which property of multiplication is shown (Associative, Identity, Distributive or Commutative).

Answers

- | | |
|---|-----------|
| 1) $4 \times 1 = 4$ | 1. _____ |
| 2) $(5 \times 7) \times 4 = 5 \times (7 \times 4)$ | 2. _____ |
| 3) $10 \times 8 = 8 \times 10$ | 3. _____ |
| 4) $6 \times 1 = 1 \times 6$ | 4. _____ |
| 5) $4 \times (5 + 6) = (4 \times 5) + (4 \times 6)$ | 5. _____ |
| 6) $6 \times (0 + 8) = (6 \times 0) + (6 \times 8)$ | 6. _____ |
| 7) $(8 \times 3) \times 6 = 8 \times (3 \times 6)$ | 7. _____ |
| 8) $7 \times (2 \times 3) = (7 \times 2) \times 3$ | 8. _____ |
| 9) $8 \times 1 = 8$ | 9. _____ |
| 10) $1 \times 1 = 1$ | 10. _____ |
| 11) $9 \times 2 = 2 \times 9$ | 11. _____ |
| 12) $2 \times 1 = 2$ | 12. _____ |
| 13) $2 \times (3 \times 0) = (2 \times 3) \times 0$ | 13. _____ |
| 14) $(1 \times 10) + (1 \times 3) = 1 \times (10 + 3)$ | 14. _____ |
| 15) $(10 \times 3) + (10 \times 0) = 10 \times (3 + 0)$ | 15. _____ |
| 16) $9 \times 1 = 1 \times 9$ | 16. _____ |
| 17) $3 \times 1 = 3$ | 17. _____ |
| 18) $5 \times 2 = 2 \times 5$ | 18. _____ |
| 19) $1 \times (2 \times 4) = (1 \times 2) \times 4$ | 19. _____ |
| 20) $(0 \times 3) + (0 \times 9) = 0 \times (3 + 9)$ | 20. _____ |



Determine which property of multiplication is shown (Associative, Identity, Distributive or Commutative).

Answers

1) $(0 \times 7) \times 4 = 0 \times (7 \times 4)$

1. _____

2) $(1 \times 0) \times 9 = 1 \times (0 \times 9)$

2. _____

3) $(4 \times 5) + (4 \times 1) = 4 \times (5 + 1)$

3. _____

4) $1 \times 1 = 1$

4. _____

5) $6 \times (10 + 7) = (6 \times 10) + (6 \times 7)$

5. _____

6) $2 \times 9 = 9 \times 2$

6. _____

7) $(6 \times 2) \times 5 = 6 \times (2 \times 5)$

7. _____

8) $5 \times 10 = 10 \times 5$

8. _____

9) $3 \times 1 = 1 \times 3$

9. _____

10) $1 \times 4 = 4$

10. _____

11) $4 \times 7 = 7 \times 4$

11. _____

12) $6 \times 1 = 6$

12. _____

13) $0 \times (3 \times 2) = (0 \times 3) \times 2$

13. _____

14) $3 \times (2 + 7) = (3 \times 2) + (3 \times 7)$

14. _____

15) $9 \times 1 = 9$

15. _____

16) $2 \times 1 = 2$

16. _____

17) $5 \times (1 \times 2) = (5 \times 1) \times 2$

17. _____

18) $4 \times (7 + 1) = (4 \times 7) + (4 \times 1)$

18. _____

19) $5 \times 6 = 6 \times 5$

19. _____

20) $(3 \times 7) + (3 \times 9) = 3 \times (7 + 9)$

20. _____