



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $2 \times (9 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

1. _____

2) $4 \times (3 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2. _____

3) $3 \times (5 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

3. _____

4) $8 \times (2 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

4. _____

5) $5 \times (2 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

5. _____

6) $9 \times (7 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

6. _____

7) $2 \times (7 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

7. _____

8) $7 \times (3 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

8. _____

9) $7 \times (3 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

9. _____

10) $7 \times (3 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

10. _____

11) $(4 \times 2) + (4 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

11. _____

12) $(3 \times 9) + (3 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12. _____

13) $(2 \times 6) + (2 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13. _____

14) $(9 \times 5) + (9 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14. _____

15) $(2 \times 3) + (2 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15. _____

16) $(2 \times 5) + (2 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16. _____

17) $(4 \times 6) + (4 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17. _____

18) $(4 \times 6) + (4 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18. _____

19) $(2 \times 5) + (2 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19. _____

20) $(3 \times 2) + (3 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20. _____

Answers

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0



Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

1) $2 \times (9 + 6) = (\underline{2} \times \underline{9}) + (\underline{2} \times \underline{6})$

Answers

1. $(2 \times 9) + (2 \times 6)$

2) $4 \times (3 + 7) = (\underline{4} \times \underline{3}) + (\underline{4} \times \underline{7})$

2. $(4 \times 3) + (4 \times 7)$

3) $3 \times (5 + 2) = (\underline{3} \times \underline{5}) + (\underline{3} \times \underline{2})$

3. $(3 \times 5) + (3 \times 2)$

4) $8 \times (2 + 7) = (\underline{8} \times \underline{2}) + (\underline{8} \times \underline{7})$

4. $(8 \times 2) + (8 \times 7)$

5) $5 \times (2 + 6) = (\underline{5} \times \underline{2}) + (\underline{5} \times \underline{6})$

5. $(5 \times 2) + (5 \times 6)$

6) $9 \times (7 + 3) = (\underline{9} \times \underline{7}) + (\underline{9} \times \underline{3})$

6. $(9 \times 7) + (9 \times 3)$

7) $2 \times (7 + 5) = (\underline{2} \times \underline{7}) + (\underline{2} \times \underline{5})$

7. $(2 \times 7) + (2 \times 5)$

8) $7 \times (3 + 6) = (\underline{7} \times \underline{3}) + (\underline{7} \times \underline{6})$

8. $(7 \times 3) + (7 \times 6)$

9) $7 \times (3 + 9) = (\underline{7} \times \underline{3}) + (\underline{7} \times \underline{9})$

9. $(7 \times 3) + (7 \times 9)$

10) $7 \times (3 + 5) = (\underline{7} \times \underline{3}) + (\underline{7} \times \underline{5})$

10. $(7 \times 3) + (7 \times 5)$

11) $(4 \times 2) + (4 \times 7) = \underline{4} \times (\underline{2} + \underline{7})$

11. $4 \times (2 + 7)$

12) $(3 \times 9) + (3 \times 4) = \underline{3} \times (\underline{9} + \underline{4})$

12. $3 \times (9 + 4)$

13) $(2 \times 6) + (2 \times 4) = \underline{2} \times (\underline{6} + \underline{4})$

13. $2 \times (6 + 4)$

14) $(9 \times 5) + (9 \times 2) = \underline{9} \times (\underline{5} + \underline{2})$

14. $9 \times (5 + 2)$

15) $(2 \times 3) + (2 \times 7) = \underline{2} \times (\underline{3} + \underline{7})$

15. $2 \times (3 + 7)$

16) $(2 \times 5) + (2 \times 8) = \underline{2} \times (\underline{5} + \underline{8})$

16. $2 \times (5 + 8)$

17) $(4 \times 6) + (4 \times 3) = \underline{4} \times (\underline{6} + \underline{3})$

17. $4 \times (6 + 3)$

18) $(4 \times 6) + (4 \times 9) = \underline{4} \times (\underline{6} + \underline{9})$

18. $4 \times (6 + 9)$

19) $(2 \times 5) + (2 \times 4) = \underline{2} \times (\underline{5} + \underline{4})$

19. $2 \times (5 + 4)$

20) $(3 \times 2) + (3 \times 9) = \underline{3} \times (\underline{2} + \underline{9})$

20. $3 \times (2 + 9)$

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0