



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $3 \times (9 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

Answers

1. _____

2) $3 \times (7 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2. _____

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

3. _____

4) $7 \times (2 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

4. _____

5) $8 \times (3 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

5. _____

6) $4 \times (7 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

6. _____

7) $8 \times (4 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

7. _____

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

8. _____

9) $5 \times (4 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

9. _____

10) $4 \times (5 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

10. _____

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

11. _____

12) $(8 \times 6) + (8 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12. _____

13) $(4 \times 2) + (4 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13. _____

14) $(4 \times 6) + (4 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14. _____

15) $(8 \times 7) + (8 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15. _____

16) $(6 \times 7) + (6 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16. _____

17) $(3 \times 8) + (3 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17. _____

18) $(6 \times 5) + (6 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18. _____

19) $(8 \times 6) + (8 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19. _____

20) $(5 \times 3) + (5 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20. _____



Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

1) $3 \times (9 + 6) = (\underline{3} \times \underline{9}) + (\underline{3} \times \underline{6})$

2) $3 \times (7 + 5) = (\underline{3} \times \underline{7}) + (\underline{3} \times \underline{5})$

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

4) $7 \times (2 + 5) = (\underline{7} \times \underline{2}) + (\underline{7} \times \underline{5})$

5) $8 \times (3 + 9) = (\underline{8} \times \underline{3}) + (\underline{8} \times \underline{9})$

6) $4 \times (7 + 8) = (\underline{4} \times \underline{7}) + (\underline{4} \times \underline{8})$

7) $8 \times (4 + 5) = (\underline{8} \times \underline{4}) + (\underline{8} \times \underline{5})$

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

9) $5 \times (4 + 3) = (\underline{5} \times \underline{4}) + (\underline{5} \times \underline{3})$

10) $4 \times (5 + 8) = (\underline{4} \times \underline{5}) + (\underline{4} \times \underline{8})$

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

12) $(8 \times 6) + (8 \times 9) = \underline{8} \times (\underline{6} + \underline{9})$

13) $(4 \times 2) + (4 \times 8) = \underline{4} \times (\underline{2} + \underline{8})$

14) $(4 \times 6) + (4 \times 3) = \underline{4} \times (\underline{6} + \underline{3})$

15) $(8 \times 7) + (8 \times 4) = \underline{8} \times (\underline{7} + \underline{4})$

16) $(6 \times 7) + (6 \times 3) = \underline{6} \times (\underline{7} + \underline{3})$

17) $(3 \times 8) + (3 \times 7) = \underline{3} \times (\underline{8} + \underline{7})$

18) $(6 \times 5) + (6 \times 3) = \underline{6} \times (\underline{5} + \underline{3})$

19) $(8 \times 6) + (8 \times 5) = \underline{8} \times (\underline{6} + \underline{5})$

20) $(5 \times 3) + (5 \times 7) = \underline{5} \times (\underline{3} + \underline{7})$

Answers

1. $(\underline{3} \times \underline{9}) + (\underline{3} \times \underline{6})$

2. $(\underline{3} \times \underline{7}) + (\underline{3} \times \underline{5})$

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

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

5. $(\underline{8} \times \underline{3}) + (\underline{8} \times \underline{9})$

6. $(\underline{4} \times \underline{7}) + (\underline{4} \times \underline{8})$

7. $(\underline{8} \times \underline{4}) + (\underline{8} \times \underline{5})$

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

9. $(\underline{5} \times \underline{4}) + (\underline{5} \times \underline{3})$

10. $(\underline{4} \times \underline{5}) + (\underline{4} \times \underline{8})$

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

12. $\underline{8} \times (\underline{6} + \underline{9})$

13. $\underline{4} \times (\underline{2} + \underline{8})$

14. $\underline{4} \times (\underline{6} + \underline{3})$

15. $\underline{8} \times (\underline{7} + \underline{4})$

16. $\underline{6} \times (\underline{7} + \underline{3})$

17. $\underline{3} \times (\underline{8} + \underline{7})$

18. $\underline{6} \times (\underline{5} + \underline{3})$

19. $\underline{8} \times (\underline{6} + \underline{5})$

20. $\underline{5} \times (\underline{3} + \underline{7})$