



## Examining Distributive Property

Name: \_\_\_\_\_

Rewrite each problem using the distributive property of Multiplication.

1)  $8 \times (6 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

1. \_\_\_\_\_

2)  $6 \times (2 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2. \_\_\_\_\_

3)  $5 \times (7 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

3. \_\_\_\_\_

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

4. \_\_\_\_\_

5)  $3 \times (6 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

5. \_\_\_\_\_

6)  $4 \times (7 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

6. \_\_\_\_\_

7)  $2 \times (6 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

7. \_\_\_\_\_

8)  $6 \times (2 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

8. \_\_\_\_\_

9)  $7 \times (6 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

9. \_\_\_\_\_

10)  $8 \times (3 + 4) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

10. \_\_\_\_\_

11)  $(2 \times 9) + (2 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

11. \_\_\_\_\_

12)  $(5 \times 3) + (5 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12. \_\_\_\_\_

13)  $(3 \times 4) + (3 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13. \_\_\_\_\_

14)  $(9 \times 7) + (9 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14. \_\_\_\_\_

15)  $(8 \times 6) + (8 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15. \_\_\_\_\_

16)  $(7 \times 4) + (7 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16. \_\_\_\_\_

17)  $(4 \times 7) + (4 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17. \_\_\_\_\_

18)  $(3 \times 7) + (3 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18. \_\_\_\_\_

19)  $(6 \times 4) + (6 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19. \_\_\_\_\_

20)  $(2 \times 3) + (2 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20. \_\_\_\_\_

Answers



## Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

1)  $8 \times (6 + 3) = (\underline{8} \times \underline{6}) + (\underline{8} \times \underline{3})$

Answers

1.  $(8 \times 6) + (8 \times 3)$

2)  $6 \times (2 + 3) = (\underline{6} \times \underline{2}) + (\underline{6} \times \underline{3})$

2.  $(6 \times 2) + (6 \times 3)$

3)  $5 \times (7 + 8) = (\underline{5} \times \underline{7}) + (\underline{5} \times \underline{8})$

3.  $(5 \times 7) + (5 \times 8)$

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

4.  $(5 \times 4) + (5 \times 9)$

5)  $3 \times (6 + 2) = (\underline{3} \times \underline{6}) + (\underline{3} \times \underline{2})$

5.  $(3 \times 6) + (3 \times 2)$

6)  $4 \times (7 + 9) = (\underline{4} \times \underline{7}) + (\underline{4} \times \underline{9})$

6.  $(4 \times 7) + (4 \times 9)$

7)  $2 \times (6 + 7) = (\underline{2} \times \underline{6}) + (\underline{2} \times \underline{7})$

7.  $(2 \times 6) + (2 \times 7)$

8)  $6 \times (2 + 7) = (\underline{6} \times \underline{2}) + (\underline{6} \times \underline{7})$

8.  $(6 \times 2) + (6 \times 7)$

9)  $7 \times (6 + 5) = (\underline{7} \times \underline{6}) + (\underline{7} \times \underline{5})$

9.  $(7 \times 6) + (7 \times 5)$

10)  $8 \times (3 + 4) = (\underline{8} \times \underline{3}) + (\underline{8} \times \underline{4})$

10.  $(8 \times 3) + (8 \times 4)$

11)  $(2 \times 9) + (2 \times 3) = \underline{2} \times (\underline{9} + \underline{3})$

11.  $2 \times (9 + 3)$

12)  $(5 \times 3) + (5 \times 9) = \underline{5} \times (\underline{3} + \underline{9})$

12.  $5 \times (3 + 9)$

13)  $(3 \times 4) + (3 \times 5) = \underline{3} \times (\underline{4} + \underline{5})$

13.  $3 \times (4 + 5)$

14)  $(9 \times 7) + (9 \times 6) = \underline{9} \times (\underline{7} + \underline{6})$

14.  $9 \times (7 + 6)$

15)  $(8 \times 6) + (8 \times 2) = \underline{8} \times (\underline{6} + \underline{2})$

15.  $8 \times (6 + 2)$

16)  $(7 \times 4) + (7 \times 8) = \underline{7} \times (\underline{4} + \underline{8})$

16.  $7 \times (4 + 8)$

17)  $(4 \times 7) + (4 \times 2) = \underline{4} \times (\underline{7} + \underline{2})$

17.  $4 \times (7 + 2)$

18)  $(3 \times 7) + (3 \times 8) = \underline{3} \times (\underline{7} + \underline{8})$

18.  $3 \times (7 + 8)$

19)  $(6 \times 4) + (6 \times 8) = \underline{6} \times (\underline{4} + \underline{8})$

19.  $6 \times (4 + 8)$

20)  $(2 \times 3) + (2 \times 5) = \underline{2} \times (\underline{3} + \underline{5})$

20.  $2 \times (3 + 5)$