



## Examining Distributive Property

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

Rewrite each problem using the distributive property of Multiplication.

1)  $5 \times (8 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

Answers

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

2)  $4 \times (5 + 2) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

3)  $2 \times (3 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

4)  $4 \times (7 + 9) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

5)  $9 \times (6 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

6)  $9 \times (5 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

7)  $6 \times (3 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

8)  $2 \times (5 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

9)  $9 \times (8 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

10)  $5 \times (4 + 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

11)  $(4 \times 6) + (4 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

12)  $(2 \times 6) + (2 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

13)  $(4 \times 8) + (4 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

14)  $(8 \times 2) + (8 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

15)  $(5 \times 8) + (5 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

16)  $(5 \times 7) + (5 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

17)  $(2 \times 8) + (2 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

18)  $(3 \times 6) + (3 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

19)  $(9 \times 3) + (9 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

20)  $(4 \times 5) + (4 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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



## Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

1)  $5 \times (8 + 4) = (\underline{5} \times \underline{8}) + (\underline{5} \times \underline{4})$

Answers

1.  $(5 \times 8) + (5 \times 4)$

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

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

3)  $2 \times (3 + 8) = (\underline{2} \times \underline{3}) + (\underline{2} \times \underline{8})$

3.  $(2 \times 3) + (2 \times 8)$

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

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

5)  $9 \times (6 + 4) = (\underline{9} \times \underline{6}) + (\underline{9} \times \underline{4})$

5.  $(9 \times 6) + (9 \times 4)$

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

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

7)  $6 \times (3 + 4) = (\underline{6} \times \underline{3}) + (\underline{6} \times \underline{4})$

7.  $(6 \times 3) + (6 \times 4)$

8)  $2 \times (5 + 3) = (\underline{2} \times \underline{5}) + (\underline{2} \times \underline{3})$

8.  $(2 \times 5) + (2 \times 3)$

9)  $9 \times (8 + 4) = (\underline{9} \times \underline{8}) + (\underline{9} \times \underline{4})$

9.  $(9 \times 8) + (9 \times 4)$

10)  $5 \times (4 + 7) = (\underline{5} \times \underline{4}) + (\underline{5} \times \underline{7})$

10.  $(5 \times 4) + (5 \times 7)$

11)  $(4 \times 6) + (4 \times 5) = \underline{4} \times (\underline{6} + \underline{5})$

11.  $4 \times (6 + 5)$

12)  $(2 \times 6) + (2 \times 7) = \underline{2} \times (\underline{6} + \underline{7})$

12.  $2 \times (6 + 7)$

13)  $(4 \times 8) + (4 \times 7) = \underline{4} \times (\underline{8} + \underline{7})$

13.  $4 \times (8 + 7)$

14)  $(8 \times 2) + (8 \times 7) = \underline{8} \times (\underline{2} + \underline{7})$

14.  $8 \times (2 + 7)$

15)  $(5 \times 8) + (5 \times 6) = \underline{5} \times (\underline{8} + \underline{6})$

15.  $5 \times (8 + 6)$

16)  $(5 \times 7) + (5 \times 3) = \underline{5} \times (\underline{7} + \underline{3})$

16.  $5 \times (7 + 3)$

17)  $(2 \times 8) + (2 \times 7) = \underline{2} \times (\underline{8} + \underline{7})$

17.  $2 \times (8 + 7)$

18)  $(3 \times 6) + (3 \times 9) = \underline{3} \times (\underline{6} + \underline{9})$

18.  $3 \times (6 + 9)$

19)  $(9 \times 3) + (9 \times 5) = \underline{9} \times (\underline{3} + \underline{5})$

19.  $9 \times (3 + 5)$

20)  $(4 \times 5) + (4 \times 6) = \underline{4} \times (\underline{5} + \underline{6})$

20.  $4 \times (5 + 6)$