



## Examining Distributive Property

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

Rewrite each problem using the distributive property of Multiplication.

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

Answers

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

2)  $7 \times (9 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

3)  $4 \times (9 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

4)  $8 \times (7 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

5)  $4 \times (7 + 9) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

7)  $5 \times (7 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

8)  $9 \times (2 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

9)  $8 \times (4 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

10)  $6 \times (7 + 9) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

11)  $(2 \times 3) + (2 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

12)  $(3 \times 2) + (3 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

13)  $(4 \times 2) + (4 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

14)  $(6 \times 9) + (6 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

15)  $(6 \times 5) + (6 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

16)  $(6 \times 4) + (6 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

17)  $(8 \times 9) + (8 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

18)  $(3 \times 4) + (3 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

19)  $(2 \times 5) + (2 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

20)  $(3 \times 2) + (3 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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



## Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

2)  $7 \times (9 + 5) = (\underline{7} \times \underline{9}) + (\underline{7} \times \underline{5})$

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

4)  $8 \times (7 + 3) = (\underline{8} \times \underline{7}) + (\underline{8} \times \underline{3})$

5)  $4 \times (7 + 9) = (\underline{4} \times \underline{7}) + (\underline{4} \times \underline{9})$

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

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

8)  $9 \times (2 + 6) = (\underline{9} \times \underline{2}) + (\underline{9} \times \underline{6})$

9)  $8 \times (4 + 5) = (\underline{8} \times \underline{4}) + (\underline{8} \times \underline{5})$

10)  $6 \times (7 + 9) = (\underline{6} \times \underline{7}) + (\underline{6} \times \underline{9})$

11)  $(2 \times 3) + (2 \times 4) = \underline{2} \times (\underline{3} + \underline{4})$

12)  $(3 \times 2) + (3 \times 8) = \underline{3} \times (\underline{2} + \underline{8})$

13)  $(4 \times 2) + (4 \times 3) = \underline{4} \times (\underline{2} + \underline{3})$

14)  $(6 \times 9) + (6 \times 2) = \underline{6} \times (\underline{9} + \underline{2})$

15)  $(6 \times 5) + (6 \times 3) = \underline{6} \times (\underline{5} + \underline{3})$

16)  $(6 \times 4) + (6 \times 8) = \underline{6} \times (\underline{4} + \underline{8})$

17)  $(8 \times 9) + (8 \times 3) = \underline{8} \times (\underline{9} + \underline{3})$

18)  $(3 \times 4) + (3 \times 5) = \underline{3} \times (\underline{4} + \underline{5})$

19)  $(2 \times 5) + (2 \times 7) = \underline{2} \times (\underline{5} + \underline{7})$

20)  $(3 \times 2) + (3 \times 6) = \underline{3} \times (\underline{2} + \underline{6})$

Answers

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

2.  $(\underline{7} \times \underline{9}) + (\underline{7} \times \underline{5})$

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

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

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

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

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

8.  $(\underline{9} \times \underline{2}) + (\underline{9} \times \underline{6})$

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

10.  $(\underline{6} \times \underline{7}) + (\underline{6} \times \underline{9})$

11.  $\underline{2} \times (\underline{3} + \underline{4})$

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

13.  $\underline{4} \times (\underline{2} + \underline{3})$

14.  $\underline{6} \times (\underline{9} + \underline{2})$

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

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

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

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

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

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