



## Examining Distributive Property

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

Rewrite each problem using the distributive property of Multiplication.

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

Answers

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

2)  $5 \times (9 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

3)  $9 \times (7 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

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

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

6)  $5 \times (2 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

8)  $2 \times (9 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

10)  $3 \times (9 + 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

12)  $(6 \times 7) + (6 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

13)  $(3 \times 5) + (3 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

14)  $(7 \times 2) + (7 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

15)  $(5 \times 4) + (5 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

16)  $(7 \times 5) + (7 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

17)  $(6 \times 4) + (6 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

18)  $(4 \times 8) + (4 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

19)  $(4 \times 2) + (4 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

20)  $(2 \times 8) + (2 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

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

Answers

1.  $(4 \times 6) + (4 \times 8)$

2)  $5 \times (9 + 3) = (\underline{5} \times \underline{9}) + (\underline{5} \times \underline{3})$

2.  $(5 \times 9) + (5 \times 3)$

3)  $9 \times (7 + 4) = (\underline{9} \times \underline{7}) + (\underline{9} \times \underline{4})$

3.  $(9 \times 7) + (9 \times 4)$

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

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

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

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

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

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

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

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

8)  $2 \times (9 + 5) = (\underline{2} \times \underline{9}) + (\underline{2} \times \underline{5})$

8.  $(2 \times 9) + (2 \times 5)$

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

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

10)  $3 \times (9 + 7) = (\underline{3} \times \underline{9}) + (\underline{3} \times \underline{7})$

10.  $(3 \times 9) + (3 \times 7)$

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

11.  $2 \times (4 + 3)$

12)  $(6 \times 7) + (6 \times 8) = \underline{6} \times (\underline{7} + \underline{8})$

12.  $6 \times (7 + 8)$

13)  $(3 \times 5) + (3 \times 2) = \underline{3} \times (\underline{5} + \underline{2})$

13.  $3 \times (5 + 2)$

14)  $(7 \times 2) + (7 \times 4) = \underline{7} \times (\underline{2} + \underline{4})$

14.  $7 \times (2 + 4)$

15)  $(5 \times 4) + (5 \times 9) = \underline{5} \times (\underline{4} + \underline{9})$

15.  $5 \times (4 + 9)$

16)  $(7 \times 5) + (7 \times 8) = \underline{7} \times (\underline{5} + \underline{8})$

16.  $7 \times (5 + 8)$

17)  $(6 \times 4) + (6 \times 5) = \underline{6} \times (\underline{4} + \underline{5})$

17.  $6 \times (4 + 5)$

18)  $(4 \times 8) + (4 \times 9) = \underline{4} \times (\underline{8} + \underline{9})$

18.  $4 \times (8 + 9)$

19)  $(4 \times 2) + (4 \times 8) = \underline{4} \times (\underline{2} + \underline{8})$

19.  $4 \times (2 + 8)$

20)  $(2 \times 8) + (2 \times 4) = \underline{2} \times (\underline{8} + \underline{4})$

20.  $2 \times (8 + 4)$

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