

## Examining Distributive Property

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

Rewrite each problem using the distributive property of Multiplication.

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

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

2)  $4 \times (3 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

3)  $9 \times (8 + 4) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

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

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

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

6)  $5 \times (3 + 4) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

7)  $6 \times (8 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

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

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

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

10)  $2 \times (9 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

11)  $(2 \times 6) + (2 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

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

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

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

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

14)  $(4 \times 9) + (4 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

15)  $(4 \times 5) + (4 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

16)  $(6 \times 7) + (6 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

17)  $(6 \times 7) + (6 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

18)  $(6 \times 4) + (6 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

19)  $(2 \times 3) + (2 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

20)  $(7 \times 3) + (7 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

Answers

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



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Name:

**Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

2)  $4 \times (3 + 8) = (\underline{4} \times \underline{3}) + (\underline{4} \times \underline{8})$

3)  $9 \times (8 + 4) = (\underline{9} \times \underline{8}) + (\underline{9} \times \underline{4})$

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

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

6)  $5 \times (3 + 4) = (\underline{5} \times \underline{3}) + (\underline{5} \times \underline{4})$

7)  $6 \times (8 + 9) = (\underline{6} \times \underline{8}) + (\underline{6} \times \underline{9})$

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

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

10)  $2 \times (9 + 8) = (\underline{2} \times \underline{9}) + (\underline{2} \times \underline{8})$

11)  $(2 \times 6) + (2 \times 8) = \underline{2} \times (\underline{6} + \underline{8})$

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

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

14)  $(4 \times 9) + (4 \times 6) = \underline{4} \times (\underline{9} + \underline{6})$

15)  $(4 \times 5) + (4 \times 6) = \underline{4} \times (\underline{5} + \underline{6})$

16)  $(6 \times 7) + (6 \times 9) = \underline{6} \times (\underline{7} + \underline{9})$

17)  $(6 \times 7) + (6 \times 5) = \underline{6} \times (\underline{7} + \underline{5})$

18)  $(6 \times 4) + (6 \times 5) = \underline{6} \times (\underline{4} + \underline{5})$

19)  $(2 \times 3) + (2 \times 8) = \underline{2} \times (\underline{3} + \underline{8})$

20)  $(7 \times 3) + (7 \times 6) = \underline{7} \times (\underline{3} + \underline{6})$

**Answers**

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

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

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

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

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

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

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

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

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

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

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

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

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

14.  $\underline{4} \times (\underline{9} + \underline{6})$

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

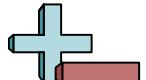
16.  $\underline{6} \times (\underline{7} + \underline{9})$

17.  $\underline{6} \times (\underline{7} + \underline{5})$

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

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

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



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Rewrite each problem using the distributive property of Multiplication.

Answers

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

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2)  $4 \times (3 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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3)  $9 \times (8 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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