



## Examining Distributive Property

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

Rewrite each problem using the distributive property of Multiplication.

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

Answers

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

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

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

3)  $9 \times (8 + 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

5)  $3 \times (2 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

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

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

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

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

9)  $2 \times (4 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

10)  $8 \times (6 + 2) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

11)  $(9 \times 7) + (9 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

12)  $(2 \times 7) + (2 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

13)  $(4 \times 5) + (4 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

14)  $(9 \times 5) + (9 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

15)  $(6 \times 2) + (6 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

16)  $(5 \times 9) + (5 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

17)  $(2 \times 5) + (2 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

18)  $(4 \times 5) + (4 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

19)  $(5 \times 4) + (5 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

20)  $(4 \times 6) + (4 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

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

3)  $9 \times (8 + 7) = (\underline{9} \times \underline{8}) + (\underline{9} \times \underline{7})$

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

5)  $3 \times (2 + 4) = (\underline{3} \times \underline{2}) + (\underline{3} \times \underline{4})$

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

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

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

9)  $2 \times (4 + 5) = (\underline{2} \times \underline{4}) + (\underline{2} \times \underline{5})$

10)  $8 \times (6 + 2) = (\underline{8} \times \underline{6}) + (\underline{8} \times \underline{2})$

11)  $(9 \times 7) + (9 \times 8) = \underline{9} \times (\underline{7} + \underline{8})$

12)  $(2 \times 7) + (2 \times 4) = \underline{2} \times (\underline{7} + \underline{4})$

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

14)  $(9 \times 5) + (9 \times 2) = \underline{9} \times (\underline{5} + \underline{2})$

15)  $(6 \times 2) + (6 \times 5) = \underline{6} \times (\underline{2} + \underline{5})$

16)  $(5 \times 9) + (5 \times 7) = \underline{5} \times (\underline{9} + \underline{7})$

17)  $(2 \times 5) + (2 \times 3) = \underline{2} \times (\underline{5} + \underline{3})$

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

19)  $(5 \times 4) + (5 \times 3) = \underline{5} \times (\underline{4} + \underline{3})$

20)  $(4 \times 6) + (4 \times 8) = \underline{4} \times (\underline{6} + \underline{8})$

Answers

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

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

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

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

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

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

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

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

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

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

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

12.  $\underline{2} \times (\underline{7} + \underline{4})$

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

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

15.  $\underline{6} \times (\underline{2} + \underline{5})$

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

17.  $\underline{2} \times (\underline{5} + \underline{3})$

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

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

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