



## Examining Distributive Property

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

**Rewrite each problem using the distributive property of Multiplication.**

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

2)  $5 \times (7 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

6)  $4 \times (8 + 9) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

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

11)  $(6 \times 9) + (6 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

12)  $(2 \times 3) + (2 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13)  $(9 \times 2) + (9 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

14)  $(6 \times 3) + (6 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

15)  $(3 \times 6) + (3 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

16)  $(2 \times 6) + (2 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

17)  $(3 \times 5) + (3 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18)  $(7 \times 8) + (7 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

19)  $(2 \times 3) + (2 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

20)  $(6 \times 9) + (6 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

**Answers**

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

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

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

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

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

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

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

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

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



## Examining Distributive Property

Name:

**Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

2)  $5 \times (7 + 4) = (\underline{5} \times \underline{7}) + (\underline{5} \times \underline{4})$

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

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

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

6)  $4 \times (8 + 9) = (\underline{4} \times \underline{8}) + (\underline{4} \times \underline{9})$

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

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

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

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

11)  $(6 \times 9) + (6 \times 4) = \underline{6} \times (\underline{9} + \underline{4})$

12)  $(2 \times 3) + (2 \times 5) = \underline{2} \times (\underline{3} + \underline{5})$

13)  $(9 \times 2) + (9 \times 5) = \underline{9} \times (\underline{2} + \underline{5})$

14)  $(6 \times 3) + (6 \times 8) = \underline{6} \times (\underline{3} + \underline{8})$

15)  $(3 \times 6) + (3 \times 2) = \underline{3} \times (\underline{6} + \underline{2})$

16)  $(2 \times 6) + (2 \times 9) = \underline{2} \times (\underline{6} + \underline{9})$

17)  $(3 \times 5) + (3 \times 6) = \underline{3} \times (\underline{5} + \underline{6})$

18)  $(7 \times 8) + (7 \times 2) = \underline{7} \times (\underline{8} + \underline{2})$

19)  $(2 \times 3) + (2 \times 7) = \underline{2} \times (\underline{3} + \underline{7})$

20)  $(6 \times 9) + (6 \times 5) = \underline{6} \times (\underline{9} + \underline{5})$

**Answers**

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

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

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

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

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

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

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

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

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

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

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

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

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

14.  $\underline{6} \times (\underline{3} + \underline{8})$

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

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

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

18.  $\underline{7} \times (\underline{8} + \underline{2})$

19.  $\underline{2} \times (\underline{3} + \underline{7})$

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

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