



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $5 \times (6 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

Answers

1. _____

2) $8 \times (5 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

2. _____

3) $8 \times (6 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

3. _____

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

4. _____

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

5. _____

6) $3 \times (7 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

6. _____

7) $4 \times (2 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

7. _____

8) $3 \times (5 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

8. _____

9) $7 \times (8 + 2) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

9. _____

10) $5 \times (8 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

10. _____

11) $(6 \times 7) + (6 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

11. _____

12) $(2 \times 6) + (2 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

12. _____

13) $(9 \times 2) + (9 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13. _____

14) $(3 \times 4) + (3 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

14. _____

15) $(3 \times 4) + (3 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

15. _____

16) $(7 \times 5) + (7 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

16. _____

17) $(5 \times 3) + (5 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

17. _____

18) $(9 \times 6) + (9 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18. _____

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

19. _____

20) $(8 \times 6) + (8 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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) $5 \times (6 + 8) = (\underline{5} \times \underline{6}) + (\underline{5} \times \underline{8})$

2) $8 \times (5 + 3) = (\underline{8} \times \underline{5}) + (\underline{8} \times \underline{3})$

3) $8 \times (6 + 5) = (\underline{8} \times \underline{6}) + (\underline{8} \times \underline{5})$

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

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

6) $3 \times (7 + 8) = (\underline{3} \times \underline{7}) + (\underline{3} \times \underline{8})$

7) $4 \times (2 + 6) = (\underline{4} \times \underline{2}) + (\underline{4} \times \underline{6})$

8) $3 \times (5 + 6) = (\underline{3} \times \underline{5}) + (\underline{3} \times \underline{6})$

9) $7 \times (8 + 2) = (\underline{7} \times \underline{8}) + (\underline{7} \times \underline{2})$

10) $5 \times (8 + 4) = (\underline{5} \times \underline{8}) + (\underline{5} \times \underline{4})$

11) $(6 \times 7) + (6 \times 2) = \underline{6} \times (\underline{7} + \underline{2})$

12) $(2 \times 6) + (2 \times 7) = \underline{2} \times (\underline{6} + \underline{7})$

13) $(9 \times 2) + (9 \times 7) = \underline{9} \times (\underline{2} + \underline{7})$

14) $(3 \times 4) + (3 \times 2) = \underline{3} \times (\underline{4} + \underline{2})$

15) $(3 \times 4) + (3 \times 6) = \underline{3} \times (\underline{4} + \underline{6})$

16) $(7 \times 5) + (7 \times 6) = \underline{7} \times (\underline{5} + \underline{6})$

17) $(5 \times 3) + (5 \times 7) = \underline{5} \times (\underline{3} + \underline{7})$

18) $(9 \times 6) + (9 \times 2) = \underline{9} \times (\underline{6} + \underline{2})$

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

20) $(8 \times 6) + (8 \times 7) = \underline{8} \times (\underline{6} + \underline{7})$

Answers

1. $(\underline{5} \times \underline{6}) + (\underline{5} \times \underline{8})$

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

3. $(\underline{8} \times \underline{6}) + (\underline{8} \times \underline{5})$

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

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

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

7. $(\underline{4} \times \underline{2}) + (\underline{4} \times \underline{6})$

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

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

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

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

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

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

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

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

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

17. $\underline{5} \times (\underline{3} + \underline{7})$

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

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

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