



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

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

Answers

1. _____

2) $9 \times (7 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

2. _____

3) $5 \times (8 + 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

3. _____

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

4. _____

5) $8 \times (4 + 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

5. _____

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

6. _____

7) $6 \times (2 + 9) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

7. _____

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

8. _____

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

9. _____

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

10. _____

11) $(6 \times 5) + (6 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

11. _____

12) $(5 \times 4) + (5 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

12. _____

13) $(9 \times 3) + (9 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13. _____

14) $(8 \times 9) + (8 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

14. _____

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

15. _____

16) $(3 \times 8) + (3 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

16. _____

17) $(4 \times 8) + (4 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

17. _____

18) $(7 \times 3) + (7 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18. _____

19) $(7 \times 2) + (7 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

19. _____

20) $(2 \times 7) + (2 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

Answers

1. $(5 \times 9) + (5 \times 2)$

2) $9 \times (7 + 3) = (\underline{9} \times \underline{7}) + (\underline{9} \times \underline{3})$

2. $(9 \times 7) + (9 \times 3)$

3) $5 \times (8 + 7) = (\underline{5} \times \underline{8}) + (\underline{5} \times \underline{7})$

3. $(5 \times 8) + (5 \times 7)$

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

4. $(4 \times 7) + (4 \times 6)$

5) $8 \times (4 + 7) = (\underline{8} \times \underline{4}) + (\underline{8} \times \underline{7})$

5. $(8 \times 4) + (8 \times 7)$

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

6. $(6 \times 4) + (6 \times 9)$

7) $6 \times (2 + 9) = (\underline{6} \times \underline{2}) + (\underline{6} \times \underline{9})$

7. $(6 \times 2) + (6 \times 9)$

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

8. $(6 \times 8) + (6 \times 2)$

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

9. $(2 \times 8) + (2 \times 7)$

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

10. $(4 \times 5) + (4 \times 8)$

11) $(6 \times 5) + (6 \times 8) = \underline{6} \times (\underline{5} + \underline{8})$

11. $6 \times (5 + 8)$

12) $(5 \times 4) + (5 \times 7) = \underline{5} \times (\underline{4} + \underline{7})$

12. $5 \times (4 + 7)$

13) $(9 \times 3) + (9 \times 2) = \underline{9} \times (\underline{3} + \underline{2})$

13. $9 \times (3 + 2)$

14) $(8 \times 9) + (8 \times 3) = \underline{8} \times (\underline{9} + \underline{3})$

14. $8 \times (9 + 3)$

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

15. $3 \times (2 + 6)$

16) $(3 \times 8) + (3 \times 4) = \underline{3} \times (\underline{8} + \underline{4})$

16. $3 \times (8 + 4)$

17) $(4 \times 8) + (4 \times 6) = \underline{4} \times (\underline{8} + \underline{6})$

17. $4 \times (8 + 6)$

18) $(7 \times 3) + (7 \times 6) = \underline{7} \times (\underline{3} + \underline{6})$

18. $7 \times (3 + 6)$

19) $(7 \times 2) + (7 \times 5) = \underline{7} \times (\underline{2} + \underline{5})$

19. $7 \times (2 + 5)$

20) $(2 \times 7) + (2 \times 6) = \underline{2} \times (\underline{7} + \underline{6})$

20. $2 \times (7 + 6)$

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