



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

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

Answers

1. _____

2) $7 \times (8 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

2. _____

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

3. _____

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

4. _____

5) $9 \times (4 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

5. _____

6) $4 \times (7 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

6. _____

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

7. _____

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

8. _____

9) $7 \times (4 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

9. _____

10) $6 \times (4 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

10. _____

11) $(5 \times 4) + (5 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

11. _____

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

12. _____

13) $(6 \times 4) + (6 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13. _____

14) $(9 \times 5) + (9 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

14. _____

15) $(4 \times 8) + (4 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

15. _____

16) $(4 \times 9) + (4 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

16. _____

17) $(9 \times 8) + (9 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

17. _____

18) $(7 \times 9) + (7 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18. _____

19) $(6 \times 7) + (6 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

19. _____

20) $(9 \times 2) + (9 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

Answers

1. $(8 \times 9) + (8 \times 2)$

2) $7 \times (8 + 5) = (\underline{7} \times \underline{8}) + (\underline{7} \times \underline{5})$

2. $(7 \times 8) + (7 \times 5)$

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

3. $(2 \times 8) + (2 \times 3)$

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

4. $(3 \times 2) + (3 \times 8)$

5) $9 \times (4 + 3) = (\underline{9} \times \underline{4}) + (\underline{9} \times \underline{3})$

5. $(9 \times 4) + (9 \times 3)$

6) $4 \times (7 + 8) = (\underline{4} \times \underline{7}) + (\underline{4} \times \underline{8})$

6. $(4 \times 7) + (4 \times 8)$

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

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

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

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

9) $7 \times (4 + 8) = (\underline{7} \times \underline{4}) + (\underline{7} \times \underline{8})$

9. $(7 \times 4) + (7 \times 8)$

10) $6 \times (4 + 3) = (\underline{6} \times \underline{4}) + (\underline{6} \times \underline{3})$

10. $(6 \times 4) + (6 \times 3)$

11) $(5 \times 4) + (5 \times 7) = \underline{5} \times (\underline{4} + \underline{7})$

11. $5 \times (4 + 7)$

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

12. $4 \times (2 + 7)$

13) $(6 \times 4) + (6 \times 5) = \underline{6} \times (\underline{4} + \underline{5})$

13. $6 \times (4 + 5)$

14) $(9 \times 5) + (9 \times 7) = \underline{9} \times (\underline{5} + \underline{7})$

14. $9 \times (5 + 7)$

15) $(4 \times 8) + (4 \times 2) = \underline{4} \times (\underline{8} + \underline{2})$

15. $4 \times (8 + 2)$

16) $(4 \times 9) + (4 \times 6) = \underline{4} \times (\underline{9} + \underline{6})$

16. $4 \times (9 + 6)$

17) $(9 \times 8) + (9 \times 7) = \underline{9} \times (\underline{8} + \underline{7})$

17. $9 \times (8 + 7)$

18) $(7 \times 9) + (7 \times 8) = \underline{7} \times (\underline{9} + \underline{8})$

18. $7 \times (9 + 8)$

19) $(6 \times 7) + (6 \times 4) = \underline{6} \times (\underline{7} + \underline{4})$

19. $6 \times (7 + 4)$

20) $(9 \times 2) + (9 \times 7) = \underline{9} \times (\underline{2} + \underline{7})$

20. $9 \times (2 + 7)$

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