



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

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

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

3) $4 \times (6 + 2) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

4) $4 \times (7 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

5) $9 \times (6 + 2) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

9) $2 \times (3 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

10) $6 \times (9 + 7) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

11) $(9 \times 6) + (9 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

12) $(9 \times 6) + (9 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13) $(5 \times 4) + (5 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

14) $(7 \times 9) + (7 \times 3) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

15) $(3 \times 5) + (3 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

17) $(4 \times 7) + (4 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18) $(7 \times 5) + (7 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

19) $(4 \times 5) + (4 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

20) $(7 \times 5) + (7 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

Answers

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2. _____

3. _____

4. _____

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9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

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17. _____

18. _____

19. _____

20. _____



Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

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

3) $4 \times (6 + 2) = (\underline{4} \times \underline{6}) + (\underline{4} \times \underline{2})$

4) $4 \times (7 + 3) = (\underline{4} \times \underline{7}) + (\underline{4} \times \underline{3})$

5) $9 \times (6 + 2) = (\underline{9} \times \underline{6}) + (\underline{9} \times \underline{2})$

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

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

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

9) $2 \times (3 + 8) = (\underline{2} \times \underline{3}) + (\underline{2} \times \underline{8})$

10) $6 \times (9 + 7) = (\underline{6} \times \underline{9}) + (\underline{6} \times \underline{7})$

11) $(9 \times 6) + (9 \times 5) = \underline{9} \times (\underline{6} + \underline{5})$

12) $(9 \times 6) + (9 \times 7) = \underline{9} \times (\underline{6} + \underline{7})$

13) $(5 \times 4) + (5 \times 2) = \underline{5} \times (\underline{4} + \underline{2})$

14) $(7 \times 9) + (7 \times 3) = \underline{7} \times (\underline{9} + \underline{3})$

15) $(3 \times 5) + (3 \times 4) = \underline{3} \times (\underline{5} + \underline{4})$

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

17) $(4 \times 7) + (4 \times 8) = \underline{4} \times (\underline{7} + \underline{8})$

18) $(7 \times 5) + (7 \times 6) = \underline{7} \times (\underline{5} + \underline{6})$

19) $(4 \times 5) + (4 \times 6) = \underline{4} \times (\underline{5} + \underline{6})$

20) $(7 \times 5) + (7 \times 4) = \underline{7} \times (\underline{5} + \underline{4})$

Answers

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

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

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

4. $(\underline{4} \times \underline{7}) + (\underline{4} \times \underline{3})$

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

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

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

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

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

10. $(\underline{6} \times \underline{9}) + (\underline{6} \times \underline{7})$

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

12. $\underline{9} \times (\underline{6} + \underline{7})$

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

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

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

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

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

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

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

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

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