



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $7 \times (5 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

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

5) $6 \times (7 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

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

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

10) $4 \times (9 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(6 \times 7) + (6 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(4 \times 8) + (4 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13) $(3 \times 8) + (3 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(5 \times 3) + (5 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(2 \times 3) + (2 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(6 \times 3) + (6 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17) $(3 \times 2) + (3 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18) $(3 \times 8) + (3 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(4 \times 2) + (4 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(6 \times 3) + (6 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

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Examining Distributive Property

Name:

Answer Key

Rewrite each problem using the distributive property of Multiplication.

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

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

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

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

5) $6 \times (7 + 2) = (\underline{6} \times \underline{7}) + (\underline{6} \times \underline{2})$

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

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

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

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

10) $4 \times (9 + 7) = (\underline{4} \times \underline{9}) + (\underline{4} \times \underline{7})$

11) $(6 \times 7) + (6 \times 4) = \underline{6} \times (\underline{7} + \underline{4})$

12) $(4 \times 8) + (4 \times 6) = \underline{4} \times (\underline{8} + \underline{6})$

13) $(3 \times 8) + (3 \times 6) = \underline{3} \times (\underline{8} + \underline{6})$

14) $(5 \times 3) + (5 \times 8) = \underline{5} \times (\underline{3} + \underline{8})$

15) $(2 \times 3) + (2 \times 5) = \underline{2} \times (\underline{3} + \underline{5})$

16) $(6 \times 3) + (6 \times 9) = \underline{6} \times (\underline{3} + \underline{9})$

17) $(3 \times 2) + (3 \times 9) = \underline{3} \times (\underline{2} + \underline{9})$

18) $(3 \times 8) + (3 \times 7) = \underline{3} \times (\underline{8} + \underline{7})$

19) $(4 \times 2) + (4 \times 5) = \underline{4} \times (\underline{2} + \underline{5})$

20) $(6 \times 3) + (6 \times 5) = \underline{6} \times (\underline{3} + \underline{5})$

Answers

1. $(\underline{7} \times \underline{5}) + (\underline{7} \times \underline{8})$

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

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

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

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

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

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

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

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

10. $(\underline{4} \times \underline{9}) + (\underline{4} \times \underline{7})$

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

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

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

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

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

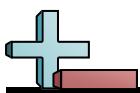
16. $\underline{6} \times (\underline{3} + \underline{9})$

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

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

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

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



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

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

2) $8 \times (5 + 4) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

4) $5 \times (7 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

5) $2 \times (3 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

8) $9 \times (5 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

10) $6 \times (9 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(3 \times 2) + (3 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(5 \times 6) + (5 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13) $(6 \times 5) + (6 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(8 \times 5) + (8 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(3 \times 7) + (3 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(4 \times 2) + (4 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17) $(2 \times 5) + (2 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18) $(7 \times 4) + (7 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(4 \times 8) + (4 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(4 \times 6) + (4 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

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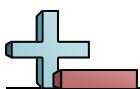
16. _____

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Rewrite each problem using the distributive property of Multiplication.

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

2) $8 \times (5 + 4) = (\underline{8} \times \underline{5}) + (\underline{8} \times \underline{4})$

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

4) $5 \times (7 + 6) = (\underline{5} \times \underline{7}) + (\underline{5} \times \underline{6})$

5) $2 \times (3 + 7) = (\underline{2} \times \underline{3}) + (\underline{2} \times \underline{7})$

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

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

8) $9 \times (5 + 2) = (\underline{9} \times \underline{5}) + (\underline{9} \times \underline{2})$

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

10) $6 \times (9 + 5) = (\underline{6} \times \underline{9}) + (\underline{6} \times \underline{5})$

11) $(3 \times 2) + (3 \times 9) = \underline{3} \times (\underline{2} + \underline{9})$

12) $(5 \times 6) + (5 \times 9) = \underline{5} \times (\underline{6} + \underline{9})$

13) $(6 \times 5) + (6 \times 7) = \underline{6} \times (\underline{5} + \underline{7})$

14) $(8 \times 5) + (8 \times 6) = \underline{8} \times (\underline{5} + \underline{6})$

15) $(3 \times 7) + (3 \times 2) = \underline{3} \times (\underline{7} + \underline{2})$

16) $(4 \times 2) + (4 \times 3) = \underline{4} \times (\underline{2} + \underline{3})$

17) $(2 \times 5) + (2 \times 4) = \underline{2} \times (\underline{5} + \underline{4})$

18) $(7 \times 4) + (7 \times 5) = \underline{7} \times (\underline{4} + \underline{5})$

19) $(4 \times 8) + (4 \times 5) = \underline{4} \times (\underline{8} + \underline{5})$

20) $(4 \times 6) + (4 \times 3) = \underline{4} \times (\underline{6} + \underline{3})$

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

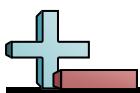
16. $\underline{4} \times (\underline{2} + \underline{3})$

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

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

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

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



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

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

2) $9 \times (8 + 5) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

3) $9 \times (4 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

4) $3 \times (8 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

5) $8 \times (4 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

6) $7 \times (5 + 2) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

7) $4 \times (3 + 8) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

8) $4 \times (5 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

10) $3 \times (5 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

11) $(7 \times 6) + (7 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

12) $(9 \times 3) + (9 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13) $(7 \times 3) + (7 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

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

15) $(2 \times 6) + (2 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

16) $(4 \times 7) + (4 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

17) $(5 \times 7) + (5 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18) $(3 \times 6) + (3 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

19) $(7 \times 9) + (7 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

20) $(3 \times 5) + (3 \times 6) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

Answers

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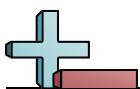
16. _____

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18. _____

19. _____

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Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

2) $9 \times (8 + 5) = (\underline{9} \times \underline{8}) + (\underline{9} \times \underline{5})$

3) $9 \times (4 + 6) = (\underline{9} \times \underline{4}) + (\underline{9} \times \underline{6})$

4) $3 \times (8 + 6) = (\underline{3} \times \underline{8}) + (\underline{3} \times \underline{6})$

5) $8 \times (4 + 6) = (\underline{8} \times \underline{4}) + (\underline{8} \times \underline{6})$

6) $7 \times (5 + 2) = (\underline{7} \times \underline{5}) + (\underline{7} \times \underline{2})$

7) $4 \times (3 + 8) = (\underline{4} \times \underline{3}) + (\underline{4} \times \underline{8})$

8) $4 \times (5 + 3) = (\underline{4} \times \underline{5}) + (\underline{4} \times \underline{3})$

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

10) $3 \times (5 + 4) = (\underline{3} \times \underline{5}) + (\underline{3} \times \underline{4})$

11) $(7 \times 6) + (7 \times 8) = \underline{7} \times (\underline{6} + \underline{8})$

12) $(9 \times 3) + (9 \times 2) = \underline{9} \times (\underline{3} + \underline{2})$

13) $(7 \times 3) + (7 \times 4) = \underline{7} \times (\underline{3} + \underline{4})$

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

15) $(2 \times 6) + (2 \times 4) = \underline{2} \times (\underline{6} + \underline{4})$

16) $(4 \times 7) + (4 \times 8) = \underline{4} \times (\underline{7} + \underline{8})$

17) $(5 \times 7) + (5 \times 6) = \underline{5} \times (\underline{7} + \underline{6})$

18) $(3 \times 6) + (3 \times 9) = \underline{3} \times (\underline{6} + \underline{9})$

19) $(7 \times 9) + (7 \times 2) = \underline{7} \times (\underline{9} + \underline{2})$

20) $(3 \times 5) + (3 \times 6) = \underline{3} \times (\underline{5} + \underline{6})$

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

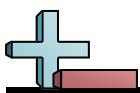
16. $\underline{4} \times (\underline{7} + \underline{8})$

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

18. $\underline{3} \times (\underline{6} + \underline{9})$

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

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



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

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

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

3) $2 \times (8 + 6) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

5) $7 \times (8 + 9) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

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

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

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

9) $9 \times (6 + 3) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

10) $9 \times (5 + 4) = (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}}) + (\underline{\hspace{1cm}} \times \underline{\hspace{1cm}})$

11) $(4 \times 9) + (4 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

12) $(7 \times 3) + (7 \times 8) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

13) $(5 \times 2) + (5 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

14) $(2 \times 7) + (2 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

15) $(4 \times 6) + (4 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

16) $(8 \times 5) + (8 \times 9) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

17) $(4 \times 3) + (4 \times 2) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

18) $(5 \times 9) + (5 \times 7) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

19) $(5 \times 7) + (5 \times 4) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

20) $(2 \times 8) + (2 \times 5) = \underline{\hspace{1cm}} \times (\underline{\hspace{1cm}} + \underline{\hspace{1cm}})$

Answers

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12. _____

13. _____

14. _____

15. _____

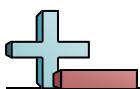
16. _____

17. _____

18. _____

19. _____

20. _____



Examining Distributive Property

Name:

Answer Key

Rewrite each problem using the distributive property of Multiplication.

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

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

3) $2 \times (8 + 6) = (\underline{2} \times \underline{8}) + (\underline{2} \times \underline{6})$

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

5) $7 \times (8 + 9) = (\underline{7} \times \underline{8}) + (\underline{7} \times \underline{9})$

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

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

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

9) $9 \times (6 + 3) = (\underline{9} \times \underline{6}) + (\underline{9} \times \underline{3})$

10) $9 \times (5 + 4) = (\underline{9} \times \underline{5}) + (\underline{9} \times \underline{4})$

11) $(4 \times 9) + (4 \times 8) = \underline{4} \times (\underline{9} + \underline{8})$

12) $(7 \times 3) + (7 \times 8) = \underline{7} \times (\underline{3} + \underline{8})$

13) $(5 \times 2) + (5 \times 7) = \underline{5} \times (\underline{2} + \underline{7})$

14) $(2 \times 7) + (2 \times 4) = \underline{2} \times (\underline{7} + \underline{4})$

15) $(4 \times 6) + (4 \times 9) = \underline{4} \times (\underline{6} + \underline{9})$

16) $(8 \times 5) + (8 \times 9) = \underline{8} \times (\underline{5} + \underline{9})$

17) $(4 \times 3) + (4 \times 2) = \underline{4} \times (\underline{3} + \underline{2})$

18) $(5 \times 9) + (5 \times 7) = \underline{5} \times (\underline{9} + \underline{7})$

19) $(5 \times 7) + (5 \times 4) = \underline{5} \times (\underline{7} + \underline{4})$

20) $(2 \times 8) + (2 \times 5) = \underline{2} \times (\underline{8} + \underline{5})$

Answers

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

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

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

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

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

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

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

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

9. $(\underline{9} \times \underline{6}) + (\underline{9} \times \underline{3})$

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

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

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

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

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

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

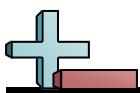
16. $\underline{8} \times (\underline{5} + \underline{9})$

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

18. $\underline{5} \times (\underline{9} + \underline{7})$

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

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



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $9 \times (8 + 4) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

3) $7 \times (6 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

5) $4 \times (8 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

6) $3 \times (7 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

8) $7 \times (3 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

10) $2 \times (9 + 8) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(5 \times 7) + (5 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(6 \times 9) + (6 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13) $(3 \times 6) + (3 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(9 \times 6) + (9 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(5 \times 2) + (5 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(6 \times 8) + (6 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17) $(3 \times 9) + (3 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18) $(6 \times 2) + (6 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(2 \times 6) + (2 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(3 \times 6) + (3 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

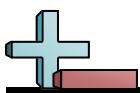
16. _____

17. _____

18. _____

19. _____

20. _____



Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

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

3) $7 \times (6 + 2) = (\underline{7} \times \underline{6}) + (\underline{7} \times \underline{2})$

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

5) $4 \times (8 + 2) = (\underline{4} \times \underline{8}) + (\underline{4} \times \underline{2})$

6) $3 \times (7 + 2) = (\underline{3} \times \underline{7}) + (\underline{3} \times \underline{2})$

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

8) $7 \times (3 + 2) = (\underline{7} \times \underline{3}) + (\underline{7} \times \underline{2})$

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

10) $2 \times (9 + 8) = (\underline{2} \times \underline{9}) + (\underline{2} \times \underline{8})$

11) $(5 \times 7) + (5 \times 3) = \underline{5} \times (\underline{7} + \underline{3})$

12) $(6 \times 9) + (6 \times 8) = \underline{6} \times (\underline{9} + \underline{8})$

13) $(3 \times 6) + (3 \times 4) = \underline{3} \times (\underline{6} + \underline{4})$

14) $(9 \times 6) + (9 \times 3) = \underline{9} \times (\underline{6} + \underline{3})$

15) $(5 \times 2) + (5 \times 6) = \underline{5} \times (\underline{2} + \underline{6})$

16) $(6 \times 8) + (6 \times 7) = \underline{6} \times (\underline{8} + \underline{7})$

17) $(3 \times 9) + (3 \times 7) = \underline{3} \times (\underline{9} + \underline{7})$

18) $(6 \times 2) + (6 \times 4) = \underline{6} \times (\underline{2} + \underline{4})$

19) $(2 \times 6) + (2 \times 7) = \underline{2} \times (\underline{6} + \underline{7})$

20) $(3 \times 6) + (3 \times 8) = \underline{3} \times (\underline{6} + \underline{8})$

Answers

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

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

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

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

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

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

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

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

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

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

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

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

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

14. $\underline{9} \times (\underline{6} + \underline{3})$

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

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

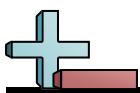
17. $\underline{3} \times (\underline{9} + \underline{7})$

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

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

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

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: _____

Rewrite each problem using the distributive property of Multiplication.

1) $8 \times (9 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2) $8 \times (6 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

3) $8 \times (2 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

5) $4 \times (9 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

7) $6 \times (2 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

8) $4 \times (6 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

10) $8 \times (5 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(7 \times 2) + (7 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(9 \times 8) + (9 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13) $(5 \times 2) + (5 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(2 \times 8) + (2 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(9 \times 5) + (9 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(5 \times 2) + (5 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17) $(5 \times 3) + (5 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

19) $(9 \times 4) + (9 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(2 \times 3) + (2 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

1. _____

2. _____

3. _____

4. _____

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6. _____

7. _____

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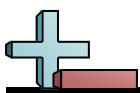
16. _____

17. _____

18. _____

19. _____

20. _____



Examining Distributive Property

Name:

Answer Key

Rewrite each problem using the distributive property of Multiplication.

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

2) $8 \times (6 + 5) = (\underline{8} \times \underline{6}) + (\underline{8} \times \underline{5})$

3) $8 \times (2 + 7) = (\underline{8} \times \underline{2}) + (\underline{8} \times \underline{7})$

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

5) $4 \times (9 + 7) = (\underline{4} \times \underline{9}) + (\underline{4} \times \underline{7})$

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

7) $6 \times (2 + 5) = (\underline{6} \times \underline{2}) + (\underline{6} \times \underline{5})$

8) $4 \times (6 + 5) = (\underline{4} \times \underline{6}) + (\underline{4} \times \underline{5})$

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

10) $8 \times (5 + 6) = (\underline{8} \times \underline{5}) + (\underline{8} \times \underline{6})$

11) $(7 \times 2) + (7 \times 4) = \underline{7} \times (\underline{2} + \underline{4})$

12) $(9 \times 8) + (9 \times 5) = \underline{9} \times (\underline{8} + \underline{5})$

13) $(5 \times 2) + (5 \times 3) = \underline{5} \times (\underline{2} + \underline{3})$

14) $(2 \times 8) + (2 \times 6) = \underline{2} \times (\underline{8} + \underline{6})$

15) $(9 \times 5) + (9 \times 2) = \underline{9} \times (\underline{5} + \underline{2})$

16) $(5 \times 2) + (5 \times 7) = \underline{5} \times (\underline{2} + \underline{7})$

17) $(5 \times 3) + (5 \times 9) = \underline{5} \times (\underline{3} + \underline{9})$

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

19) $(9 \times 4) + (9 \times 8) = \underline{9} \times (\underline{4} + \underline{8})$

20) $(2 \times 3) + (2 \times 9) = \underline{2} \times (\underline{3} + \underline{9})$

Answers

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

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

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

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

5. $(\underline{4} \times \underline{9}) + (\underline{4} \times \underline{7})$

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

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

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

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

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

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

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

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

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

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

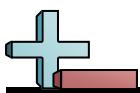
16. $\underline{5} \times (\underline{2} + \underline{7})$

17. $\underline{5} \times (\underline{3} + \underline{9})$

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

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

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



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $8 \times (4 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2) $5 \times (7 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

4) $6 \times (3 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

6) $8 \times (5 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

7) $6 \times (2 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

8) $3 \times (9 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

9) $5 \times (7 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

10) $3 \times (6 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(4 \times 8) + (4 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

13) $(8 \times 9) + (8 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(4 \times 5) + (4 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(2 \times 7) + (2 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(5 \times 7) + (5 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

18) $(9 \times 4) + (9 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(4 \times 9) + (4 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(3 \times 9) + (3 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

1. _____

2. _____

3. _____

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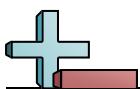
16. _____

17. _____

18. _____

19. _____

20. _____



Rewrite each problem using the distributive property of Multiplication.

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

2) $5 \times (7 + 3) = (\underline{5} \times \underline{7}) + (\underline{5} \times \underline{3})$

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

4) $6 \times (3 + 5) = (\underline{6} \times \underline{3}) + (\underline{6} \times \underline{5})$

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

6) $8 \times (5 + 9) = (\underline{8} \times \underline{5}) + (\underline{8} \times \underline{9})$

7) $6 \times (2 + 5) = (\underline{6} \times \underline{2}) + (\underline{6} \times \underline{5})$

8) $3 \times (9 + 7) = (\underline{3} \times \underline{9}) + (\underline{3} \times \underline{7})$

9) $5 \times (7 + 6) = (\underline{5} \times \underline{7}) + (\underline{5} \times \underline{6})$

10) $3 \times (6 + 5) = (\underline{3} \times \underline{6}) + (\underline{3} \times \underline{5})$

11) $(4 \times 8) + (4 \times 6) = \underline{4} \times (\underline{8} + \underline{6})$

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

13) $(8 \times 9) + (8 \times 2) = \underline{8} \times (\underline{9} + \underline{2})$

14) $(4 \times 5) + (4 \times 3) = \underline{4} \times (\underline{5} + \underline{3})$

15) $(2 \times 7) + (2 \times 8) = \underline{2} \times (\underline{7} + \underline{8})$

16) $(5 \times 7) + (5 \times 2) = \underline{5} \times (\underline{7} + \underline{2})$

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

18) $(9 \times 4) + (9 \times 5) = \underline{9} \times (\underline{4} + \underline{5})$

19) $(4 \times 9) + (4 \times 7) = \underline{4} \times (\underline{9} + \underline{7})$

20) $(3 \times 9) + (3 \times 6) = \underline{3} \times (\underline{9} + \underline{6})$

Answers

1. $(8 \times 4) + (8 \times 6)$

2. $(5 \times 7) + (5 \times 3)$

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

4. $(6 \times 3) + (6 \times 5)$

5. $(4 \times 9) + (4 \times 8)$

6. $(8 \times 5) + (8 \times 9)$

7. $(6 \times 2) + (6 \times 5)$

8. $(3 \times 9) + (3 \times 7)$

9. $(5 \times 7) + (5 \times 6)$

10. $(3 \times 6) + (3 \times 5)$

11. $4 \times (8 + 6)$

12. $2 \times (3 + 5)$

13. $8 \times (9 + 2)$

14. $4 \times (5 + 3)$

15. $2 \times (7 + 8)$

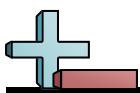
16. $5 \times (7 + 2)$

17. $7 \times (4 + 8)$

18. $9 \times (4 + 5)$

19. $4 \times (9 + 7)$

20. $3 \times (9 + 6)$



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $8 \times (4 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2) $6 \times (5 + 4) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

4) $6 \times (9 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

5) $3 \times (4 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

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

9) $3 \times (6 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

10) $3 \times (2 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(9 \times 2) + (9 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(5 \times 3) + (5 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13) $(9 \times 5) + (9 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(5 \times 3) + (5 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(2 \times 7) + (2 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(7 \times 6) + (7 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17) $(5 \times 7) + (5 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18) $(2 \times 4) + (2 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(8 \times 9) + (8 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(3 \times 9) + (3 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

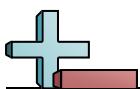
16. _____

17. _____

18. _____

19. _____

20. _____



Examining Distributive Property

Name: **Answer Key**

Rewrite each problem using the distributive property of Multiplication.

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

2) $6 \times (5 + 4) = (\underline{6} \times \underline{5}) + (\underline{6} \times \underline{4})$

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

4) $6 \times (9 + 5) = (\underline{6} \times \underline{9}) + (\underline{6} \times \underline{5})$

5) $3 \times (4 + 6) = (\underline{3} \times \underline{4}) + (\underline{3} \times \underline{6})$

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

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

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

9) $3 \times (6 + 9) = (\underline{3} \times \underline{6}) + (\underline{3} \times \underline{9})$

10) $3 \times (2 + 9) = (\underline{3} \times \underline{2}) + (\underline{3} \times \underline{9})$

11) $(9 \times 2) + (9 \times 7) = \underline{9} \times (\underline{2} + \underline{7})$

12) $(5 \times 3) + (5 \times 6) = \underline{5} \times (\underline{3} + \underline{6})$

13) $(9 \times 5) + (9 \times 7) = \underline{9} \times (\underline{5} + \underline{7})$

14) $(5 \times 3) + (5 \times 8) = \underline{5} \times (\underline{3} + \underline{8})$

15) $(2 \times 7) + (2 \times 6) = \underline{2} \times (\underline{7} + \underline{6})$

16) $(7 \times 6) + (7 \times 2) = \underline{7} \times (\underline{6} + \underline{2})$

17) $(5 \times 7) + (5 \times 2) = \underline{5} \times (\underline{7} + \underline{2})$

18) $(2 \times 4) + (2 \times 9) = \underline{2} \times (\underline{4} + \underline{9})$

19) $(8 \times 9) + (8 \times 6) = \underline{8} \times (\underline{9} + \underline{6})$

20) $(3 \times 9) + (3 \times 6) = \underline{3} \times (\underline{9} + \underline{6})$

Answers

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

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

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

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

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

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

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

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

9. $(\underline{3} \times \underline{6}) + (\underline{3} \times \underline{9})$

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

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

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

13. $\underline{9} \times (\underline{5} + \underline{7})$

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

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

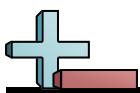
16. $\underline{7} \times (\underline{6} + \underline{2})$

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

18. $\underline{2} \times (\underline{4} + \underline{9})$

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

20. $\underline{3} \times (\underline{9} + \underline{6})$



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $2 \times (3 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

2) $4 \times (7 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

3) $8 \times (9 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

4) $3 \times (8 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

5) $6 \times (3 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

6) $8 \times (7 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

8) $3 \times (7 + 9) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

9) $8 \times (5 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

10) $5 \times (4 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(2 \times 6) + (2 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(3 \times 4) + (3 \times 7) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

14) $(3 \times 6) + (3 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(2 \times 9) + (2 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

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

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

18) $(6 \times 8) + (6 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(7 \times 4) + (7 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(4 \times 2) + (4 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

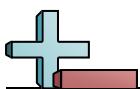
16. _____

17. _____

18. _____

19. _____

20. _____



Rewrite each problem using the distributive property of Multiplication.

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

2) $4 \times (7 + 3) = (\underline{4} \times \underline{7}) + (\underline{4} \times \underline{3})$

3) $8 \times (9 + 7) = (\underline{8} \times \underline{9}) + (\underline{8} \times \underline{7})$

4) $3 \times (8 + 6) = (\underline{3} \times \underline{8}) + (\underline{3} \times \underline{6})$

5) $6 \times (3 + 9) = (\underline{6} \times \underline{3}) + (\underline{6} \times \underline{9})$

6) $8 \times (7 + 9) = (\underline{8} \times \underline{7}) + (\underline{8} \times \underline{9})$

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

8) $3 \times (7 + 9) = (\underline{3} \times \underline{7}) + (\underline{3} \times \underline{9})$

9) $8 \times (5 + 6) = (\underline{8} \times \underline{5}) + (\underline{8} \times \underline{6})$

10) $5 \times (4 + 6) = (\underline{5} \times \underline{4}) + (\underline{5} \times \underline{6})$

11) $(2 \times 6) + (2 \times 3) = \underline{2} \times (\underline{6} + \underline{3})$

12) $(3 \times 4) + (3 \times 7) = \underline{3} \times (\underline{4} + \underline{7})$

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

14) $(3 \times 6) + (3 \times 2) = \underline{3} \times (\underline{6} + \underline{2})$

15) $(2 \times 9) + (2 \times 6) = \underline{2} \times (\underline{9} + \underline{6})$

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

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

18) $(6 \times 8) + (6 \times 9) = \underline{6} \times (\underline{8} + \underline{9})$

19) $(7 \times 4) + (7 \times 8) = \underline{7} \times (\underline{4} + \underline{8})$

20) $(4 \times 2) + (4 \times 9) = \underline{4} \times (\underline{2} + \underline{9})$

Answers

1. $(2 \times 3) + (2 \times 6)$

2. $(4 \times 7) + (4 \times 3)$

3. $(8 \times 9) + (8 \times 7)$

4. $(3 \times 8) + (3 \times 6)$

5. $(6 \times 3) + (6 \times 9)$

6. $(8 \times 7) + (8 \times 9)$

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

8. $(3 \times 7) + (3 \times 9)$

9. $(8 \times 5) + (8 \times 6)$

10. $(5 \times 4) + (5 \times 6)$

11. $2 \times (6 + 3)$

12. $3 \times (4 + 7)$

13. $5 \times (9 + 2)$

14. $3 \times (6 + 2)$

15. $2 \times (9 + 6)$

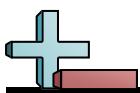
16. $4 \times (6 + 9)$

17. $3 \times (7 + 5)$

18. $6 \times (8 + 9)$

19. $7 \times (4 + 8)$

20. $4 \times (2 + 9)$



Examining Distributive Property

Name: _____

Rewrite each problem using the distributive property of Multiplication.

1) $7 \times (9 + 6) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

4) $9 \times (3 + 2) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

6) $9 \times (5 + 7) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

7) $6 \times (2 + 3) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

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

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

10) $4 \times (2 + 5) = (\underline{\quad} \times \underline{\quad}) + (\underline{\quad} \times \underline{\quad})$

11) $(9 \times 6) + (9 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

12) $(6 \times 7) + (6 \times 3) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

13) $(3 \times 7) + (3 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

14) $(3 \times 4) + (3 \times 5) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

15) $(8 \times 6) + (8 \times 4) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

16) $(5 \times 7) + (5 \times 8) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

17) $(5 \times 9) + (5 \times 2) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

18) $(6 \times 4) + (6 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

19) $(9 \times 2) + (9 \times 6) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

20) $(7 \times 5) + (7 \times 9) = \underline{\quad} \times (\underline{\quad} + \underline{\quad})$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

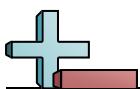
16. _____

17. _____

18. _____

19. _____

20. _____



Rewrite each problem using the distributive property of Multiplication.

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

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

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

4) $9 \times (3 + 2) = (\underline{9} \times \underline{3}) + (\underline{9} \times \underline{2})$

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

6) $9 \times (5 + 7) = (\underline{9} \times \underline{5}) + (\underline{9} \times \underline{7})$

7) $6 \times (2 + 3) = (\underline{6} \times \underline{2}) + (\underline{6} \times \underline{3})$

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

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

10) $4 \times (2 + 5) = (\underline{4} \times \underline{2}) + (\underline{4} \times \underline{5})$

11) $(9 \times 6) + (9 \times 3) = \underline{9} \times (\underline{6} + \underline{3})$

12) $(6 \times 7) + (6 \times 3) = \underline{6} \times (\underline{7} + \underline{3})$

13) $(3 \times 7) + (3 \times 4) = \underline{3} \times (\underline{7} + \underline{4})$

14) $(3 \times 4) + (3 \times 5) = \underline{3} \times (\underline{4} + \underline{5})$

15) $(8 \times 6) + (8 \times 4) = \underline{8} \times (\underline{6} + \underline{4})$

16) $(5 \times 7) + (5 \times 8) = \underline{5} \times (\underline{7} + \underline{8})$

17) $(5 \times 9) + (5 \times 2) = \underline{5} \times (\underline{9} + \underline{2})$

18) $(6 \times 4) + (6 \times 9) = \underline{6} \times (\underline{4} + \underline{9})$

19) $(9 \times 2) + (9 \times 6) = \underline{9} \times (\underline{2} + \underline{6})$

20) $(7 \times 5) + (7 \times 9) = \underline{7} \times (\underline{5} + \underline{9})$

Answers

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

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

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

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

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

6. $(\underline{9} \times \underline{5}) + (\underline{9} \times \underline{7})$

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

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

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

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

11. $\underline{9} \times (\underline{6} + \underline{3})$

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

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

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

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

16. $\underline{5} \times (\underline{7} + \underline{8})$

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

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

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

20. $\underline{7} \times (\underline{5} + \underline{9})$