



Applying Properties of Operations

Name: _____

Apply the distributive property to produce an equivalent expression.

1) $36 + 63w$

Answers

1. _____

2) $10 + 35k$

2. _____

3) $2(7 + 3y)$

3. _____

4) $24f + 28$

4. _____

5) $10(5e + 10)$

5. _____

6) $6 + 8v$

6. _____

7) $72 + 63h$

7. _____

8) $27t + 30$

8. _____

9) $70n + 42$

9. _____

10) $d + d + d + d + d + d$

10. _____

11) $16 + 32j$

11. _____

12) $24 + 40g$

12. _____

13) $2(7a + 5)$

13. _____

14) $c + c + c + c + c$

14. _____

15) $s + s + s + s + s + s + s + s$

15. _____

16) $27b + 72$

16. _____

17) $2(8r + 10)$

17. _____

18) $u + u + u + u + u$

18. _____

19) $40 + 16z$

19. _____

20) $3(7 + 8m)$

20. _____



Applying Properties of Operations

Name: **Answer Key**

Apply the distributive property to produce an equivalent expression.

1) $36 + 63w$

Answers

9(4 + 7w)

2) $10 + 35k$

5(2 + 7k)

3) $2(7 + 3y)$

14 + 6y

4) $24f + 28$

4(6f + 7)

5) $10(5e + 10)$

50e + 100

6) $6 + 8v$

2(3 + 4v)

7) $72 + 63h$

9(8 + 7h)

8) $27t + 30$

3(9t + 10)

9) $70n + 42$

14(5n + 3)

10) $d + d + d + d + d + d$

6d

11) $16 + 32j$

16(1 + 2j)

12) $24 + 40g$

8(3 + 5g)

13) $2(7a + 5)$

14a + 10

14) $c + c + c + c + c$

5c

15) $s + s + s + s + s + s + s + s$

9s

16) $27b + 72$

9(3b + 8)

17) $2(8r + 10)$

16r + 20

18) $u + u + u + u + u$

5u

19) $40 + 16z$

8(5 + 2z)

20) $3(7 + 8m)$

21 + 24m

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