Applying Properties of Operations

Name:

Apply the distributive property to produce an equivalent expression.

1) $40a + 30$

2) $10(9 + 6u)$

3) $42 + 48z$

4) $4(2y + 4)$

5) $24 + 6p$

6) $s + s + s + s + s + s + s + s + s$

7) $36 + 24b$

8) $j + j + j + j + j + j + j + j$

9) $50v + 30$

10) $24 + 15d$

11) $56n + 49$

12) $4(5f + 2)$

13) $r + r + r + r + r$

14) $63h + 90$

15) $100w + 90$

16) $6(9t + 10)$

17) $12 + 14e$

18) $54m + 63$

19) $72k + 45$

20) $20 + 14c$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

Math

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

Applying Properties of Operations

Name:

Apply the distributive property to produce an equivalent expression.

1) 40a + 30

1. **10(4a + 3)**

2) 10(9 + 6u)

2. **90 + 60u**

3) 42 + 48z

3. **6(7 + 8z)**

4) 4(2y + 4)

4. **8y + 16**

5) 24 + 6p

5. **6(4 + 1p)**

6) s + s + s + s + s + s + s + s + s

6. **9s**

7) 36 + 24b

7. **12(3 + 2b)**

8) j + j + j + j + j + j + j + j

8. **8j**

9) 50v + 30

9. **10(5v + 3)**

10) 24 + 15d

10. **3(8 + 5d)**

11) 56n + 49

11. **7(8n + 7)**

12) 4(5f + 2)

12. **20f + 8**

13) r + r + r + r + r

13. **5r**

14) 63h + 90

14. **9(7h + 10)**

15) 100w + 90

15. **10(10w + 9)**

16) 6(9t + 10)

16. **54t + 60**

17) 12 + 14e

17. **2(6 + 7e)**

18) 54m + 63

18. **9(6m + 7)**

19) 72k + 45

19. **9(8k + 5)**

20) 20 + 14c

20. **2(10 + 7c)**

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

Math