

Chapter Test

Form A

Chapter 2

1. Write an expression to describe the relationship in this number pattern: 5, 13, 21, 29, ...

2. Write an expression to describe the relationship in the number pattern: 6, 12, 24, 48, ...

Evaluate each expression.

3. $6 \div b$ for $b = 2$

4. $5 \times (c + 1) \times 4$ for $c = 3$

5. $h + (h \times 3)$ for $h = 4$

6. $4x - 7$ for $x = 10$

7. $3a + 6$ for $a = 6$

8. $y + 1$ for $y = 3$

9. $22.25 - k$ for $k = 4.2$

10. $b - 5.3$ for $b = 10.25$

11. $2h + 3.4$ for $h = 0.3$

Solve each equation.

12. $13 = 9 + y$

13. $30 = k \div 3$

14. $4.3 + j = 6.1$

15. $11.1 = f - 2.3$

16. $m \div 2.1 = 5.1$

17. $p \times 0.6 = 1.2$

Chapter Test (continued)

Form A

Chapter 2

18. Write two word phrases for the variable expression $a + 23$.

19. Write two word phrases for the variable expression $60n$.

Tell whether each equation is true or false.

20. $8 + 5 \times 2 = 36$

21. $10 \times 2 + 8 = 30$

Evaluate each expression.

22. $(22 + 3) \times 6$

23. $5 \times 9 + 50$

24. $205 - 9 \times 9$

25. $200 \div 5 + 75$

Evaluate each expression if $n = 10$.

26. $8n$

27. $n - 8$

28. $12 - n$

29. $n + 8$

30. Annie agreed to wash the car each week if she could get paid \$.01 the first week, \$.02 the second week, \$.04 the third week, \$.08 the fourth week, and so on for 15 weeks. How much money will she be paid on the 15th week?

31. Explain why $(2 + 3) \times 4$ is *not* equal to $2 + 3 \times 4$.
