

Chapter 6 Practice test

Write the letter for the correct answer in the blank at the right of each question.

1. Edwin's mother is 57 years old. Her age is three years more than twice Edwin's age. What is Edwin's age?
A. 30 years **B.** 27 years **C.** 15 years **D.** 37 years **1.** _____

2. In a basketball game, Benito scored 3 points less than twice the number of points Carnell scored. Carnell scored 8 points. How many points did Benito score?
F. 5 points **G.** 11 points **H.** 13 points **I.** 16 points **2.** _____

What is the solution of each equation?

3. $t + 16 = 7$
A. -23 **B.** -9 **C.** 9 **D.** 23 **3.** _____

4. $\frac{w}{4} = -11$
F. -44 **G.** -7 **H.** 7 **I.** 44 **4.** _____

5. $81 = 3k$
A. 27 **B.** 78 **C.** 84 **D.** 243 **5.** _____

6. $-8 + \frac{5}{6}x = -28$
F. -24 **G.** -20 **H.** -4 **I.** 24 **6.** _____

7. $\frac{1}{2}z = 9\frac{1}{4}$
A. $4\frac{5}{8}$ **B.** $9\frac{1}{8}$ **C.** $18\frac{1}{4}$ **D.** $18\frac{1}{2}$ **7.** _____

8. $37 = 18q + 1$
F. 0.5 **G.** 2 **H.** 12 **I.** 19 **8.** _____

9. $2y - 1.7 = 3.3$
A. 0.8 **B.** 2.5 **C.** 3.2 **D.** 10 **9.** _____

10. The length of each side of a square was decreased by 2 inches, so the perimeter is now 48 inches. What was the original length of each side of the square?
F. 10 in. **G.** 12 in. **H.** 14 in. **I.** 16 in. **10.** _____

Chapter 6 Practice test *(continued)*

What is an equivalent equation for each given equation?

11. $4x + 11 = 15$

A. $4x = 26$

B. $-4x + 11 = -15$

C. $15 = -11 - 4x$

D. $4x = 4$

11. _____

12. $3(x - 9) = 3$

F. $3x - 9 = 3$

G. $3x - 9 = 9$

H. $x - 9 = 1$

I. $x - 9 = 9$

12. _____

Solve each equation. Check your solution.

13. $0.3a = 51$

13. _____

14. $\frac{z}{5.2} = 16$

14. _____

15. $-11 = x + 5$

15. _____

16. $3j = 2.7$

16. _____

17. $\frac{x}{8} - 2 = -3$

17. _____

18. $-0.4(x - 3.8) = -2$

18. _____

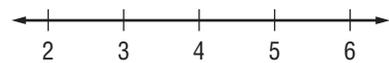
19. Each deli sandwich made uses $\frac{1}{4}$ pound of turkey. Tyler started with $3\frac{7}{8}$ pounds of turkey and now has $1\frac{5}{8}$ pounds left. How many deli sandwiches did he make?

19. _____

Solve each inequality. Graph the solution on a number line.

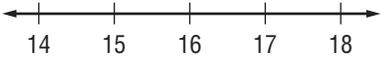
20. $x + 7 \leq 11$

20. _____



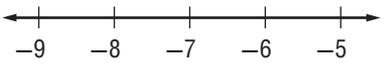
21. $m - 4 > 12$

21. _____



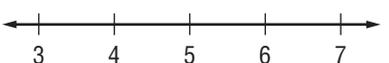
22. $3p \geq -24$

22. _____



23. $-2w + 5 < -5$

23. _____



24. $\frac{h}{-6} > 3$

24. _____

