

Test, Form 2B

SCORE _____

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

1. The Leungs sold a valuable painting for \$55,000. This price is \$1,000 more than twice the amount they originally paid for it. How much did they originally pay?

A. \$25,000 B. \$27,000 C. \$27,500 D. \$28,000

1. **B**

2. In a volleyball game, Alexis scored 4 points more than twice the number of points Jessica scored. Jessica scored 3 points. How many points did Alexis score?

F. 1 point G. 7 points H. 10 points I. 12 points

2. **H**

What is the solution of each equation?

3. $m - 12 = 11$

A. -23 B. -1 C. 1 D. 23

3. **D**

4. $\frac{x}{-5} = -6$

F. -30 G. -11 H. 11 I. 30

4. **I**

5. $6x = -48$

A. -8 B. -7 C. 7 D. 8

5. **A**

6. $7 + \frac{2}{5}x = 1$

F. -15 G. -6 H. -3 I. 15

6. **F**

7. $\frac{1}{3}y = 4\frac{5}{6}$

A. $1\frac{11}{8}$ B. $4\frac{5}{18}$ C. $12\frac{5}{6}$ D. $14\frac{1}{2}$

7. **D**

8. $-12 = 4.7k + 11.5$

F. -5 G. -3 H. -0.1 I. 5

8. **F**

9. $-3m - 21 = -6$

A. -45 B. -5 C. 9 D. -81

9. **B**

10. The length of each side of a square was increased by 6 inches, so the perimeter is now 52 inches. What was the original length of each side of the square?

F. 1 in. G. 7 in. H. 13 in. I. 19 in.

10. **G**

Test, Form 2B (continued)

SCORE _____

What is an equivalent equation for the given equation?

11. $6x + 10 = 23$

A. $6x = 13$

C. $23 = 10 - 6x$

B. $6x = 33$

D. $-23 = -6x + 10$

11. **A**

12. $-4(x - 11) = 16$

F. $x - 11 = 4$

H. $-4x - 11 = 16$

G. $x - 11 = -4$

I. $-4x + 44 = 64$

12. **G** **Solve each equation. Check your solution.**

13. $0.2a = 48$

13. **240**

14. $\frac{z}{8.9} = 22$

14. **195.8**

15. $y + 9 = -21$

15. **-30**

16. $2.7a = 13.5$

16. **5**

17. $\frac{b}{7} - 4 = -5$

17. **-7**

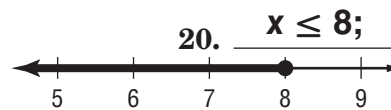
18. $\frac{7}{10}(x - 4) = 42$

18. **64**

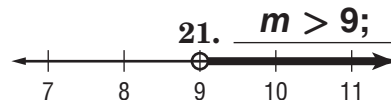
19. Each deli sandwich made uses $\frac{3}{8}$ pound of roast beef. Marisa started with 5 pounds of roast beef and now has $2\frac{3}{4}$ pounds left. How many deli sandwiches did she make?

19. **6** **Solve each inequality. Graph the solution on a number line.**

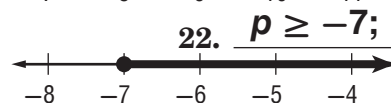
20. $x + 5 \leq 13$



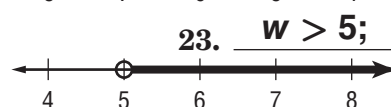
21. $m - 1 > 8$



22. $4p \geq -28$



23. $-3w - 2 < -17$



24. $\frac{h}{-2} > 6$

