

# Study Guide Chapter 7

SCORE \_\_\_\_\_

Solve each equation mentally.

1.  $k + 85 = 111$

1. \_\_\_\_\_

2.  $f - 20 = 40$

2. \_\_\_\_\_

3.  $12v = 36$

3. \_\_\_\_\_

4. Bethany bought a box of markers. She gave 6 markers to her friend. If Bethany now has 52 markers, how many markers were in the box she bought?

4. \_\_\_\_\_

Solve each equation. Check your solution.

5.  $w + 62 = 90$

5. \_\_\_\_\_

6.  $25.3 = s + 6.2$

6. \_\_\_\_\_

7.  $y + \frac{3}{8} = \frac{3}{4}$

7. \_\_\_\_\_

8.  $c - 39 = 82$

8. \_\_\_\_\_

9. Isaiah earned 96 points on his math test. This is 11 points more than the number of points he earned on his history test. Write and solve an addition equation to find the number of points Isaiah earned on his history test.

9. \_\_\_\_\_

10. After buying a jacket that cost \$47, Marilyn had \$6 left in her wallet. Write and solve a subtraction equation to find the amount of money Marilyn had in her wallet before she bought the jacket.

10. \_\_\_\_\_

11. The difference between the greatest and least weights of puppies in a shelter is 28 pounds. The lightest puppy weighs 4 pounds. Write and solve a subtraction equation to find the weight of the heaviest puppy.

11. \_\_\_\_\_

**Study Guide Chapter 7** *(continued)*

SCORE \_\_\_\_\_

Solve each equation. Check your solution.

12.  $13g = 156$

12. \_\_\_\_\_

13.  $99.2 = 6.2y$

13. \_\_\_\_\_

14.  $\frac{3}{7}d = \frac{5}{14}$

14. \_\_\_\_\_

15.  $52 = \frac{h}{12}$

15. \_\_\_\_\_

16.  $7.6 = \frac{w}{12}$

16. \_\_\_\_\_

17.  $\frac{x}{2} = 20$

17. \_\_\_\_\_

18.  $8.3x = 41.5$

18. \_\_\_\_\_

19.  $54 = \frac{r}{3}$

19. \_\_\_\_\_

20. Tomás earned \$38.25 for cleaning the garage. He was paid \$4.25 per hour. Write and solve an equation to find how many hours it took him to clean the garage.

20. \_\_\_\_\_

21. There were 214 students that voted for Jamison to be the student council president. This is one third of the number of students that voted. Write and solve an equation to find the number of students who voted.

21. \_\_\_\_\_

22. Emiko needs to go to the dentist. It takes her 70 minutes to get there if she rides her bike. This is twice the time it would take if she took the bus. Write and solve an equation to find how long it takes Emiko to get to the dentist by bus.

22. \_\_\_\_\_

23. Fred is making a bouquet of carnations and roses. The carnations cost \$5.25 in all. The roses cost \$1.68 each. How many roses did Fred use if the bouquet cost \$18.69 in all?

23. \_\_\_\_\_