

# Chapter 7 Test Study Guide

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**What is the solution of each equation?**

1.  $8 + g = 18$

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

2.  $p - 10 = 5$

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

3.  $6w = 60$

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

4.  $\frac{d}{14} = 7$

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

5.  $y + 7 = 11$

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

6.  $13 = t + 2$

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

7.  $a - 5 = 12$

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

8.  $13 = t - 4$

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

9. A pet store has 45 mice. The number of mice is 22 less than the number of cats. Write a subtraction equation that can be used to find the number of cats.

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

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

10. Tulia bought 9 new golf balls. If she now has a total of 22 golf balls, write and solve an addition equation to figure out how many she started with.

**What is the solution of each equation?**

11.  $7d = 35$

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

12.  $42 = 6f$

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

13.  $9 = x - 7$

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

14.  $\frac{e}{4} = 20$

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

15. Four friends bought tickets to the school play. If it cost them a total of \$28, write and solve a multiplication equation to find how much each ticket cost.

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

16. The height reached by Amal's rocket was one fourth the height reached by Min's rocket. Amal's rocket reached a height of 15 meters. Write a division equation to find the height reached by Min's rocket.

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

**What is the solution of each equation?**

17.  $\frac{x}{5} = 15$

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

18.  $4b = 32$

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

19.  $8c = 40$

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

20. Chad earned \$30 for raking leaves. He has also earned money by doing chores. Altogether, he has earned \$120. How much did he earn doing chores?

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