

CH 7 REVIEW

Indicate the answer choice that best completes the statement or answers the question. **SHOW ALL ALGEBRAIC STEPS ON NOTEBOOK PAPER TO RECEIVE FULL CREDIT.**

What is the solution of each equation?

___ 1. $9 + k = 18$

- a. 18 b. 9
c. 8 d. 7

___ 2. $r - 11 = 5$

- a. 11 b. 14
c. 15 d. 16

___ 3. $3w = 30$

- a. 6 b. 9
c. 10 d. 12

___ 4. $\frac{12}{d} = 4$

- a. 2 b. 3
c. 8 d. 48

___ 5. $13 = t + 7$

- a. 5 b. 6
c. 7 d. 20

___ 6. $10 = t - 8$

- a. 2 b. 4
c. 18 d. 20

___ 7. **AGES** Janeen's mother is 47. She is 26 years older than Janeen. Which equation can be solved to find Janeen's age j ?

- a. $j + 26 = 47$ b. $26j = 47$
c. $j - 26 = 47$ d. $47j = 26$

___ 8. **TENNIS** Quentin bought 6 new tennis balls. If he now has a total of 18 tennis balls, how many did he start with?

- a. 9 b. 12
c. 21 d. 24

What is the solution of each equation?

___ 9. $4 = \frac{x}{8}$

- a. 2 b. 4
c. 32 d. 48

CH 7 REVIEW

___ 10. $\frac{t}{5} = 15$

- a. 100 b. 75
c. 10 d. 3

___ 11. Antwaun waters his lawn 3 times a week. If he watered his lawn 24 times in all, which equation could be used to find how many weeks he has been watering his lawn?

- a. $x + 3 = 24$ b. $24 - x = 3$
c. $3x = 24$ d. $\frac{x}{3} = 24$

___ 12. At a nursery, plants are half off their original price. The sale price of a potted plant is \$5.50. The solution to which equation gives the original cost of the plant?

- a. $\frac{c}{2} = \$5.50$ b. $2c = \$5.50$
c. $\$5.50c = 2$ d. $2 + c = \$5.50$

What is the solution of each equation?

___ 13. $\frac{x}{4} = 12$

- a. 3 b. 8
c. 48 d. 52

___ 14. $9b = 54$

- a. 558 b. 486
c. 6.8 d. 6

___ 15. Kelly earned \$20 for babysitting. She has also earned money by doing chores for 5 weeks. Altogether, she has earned \$100. How much does she earn each week for doing chores?

- a. \$25 b. \$20
c. \$16 d. \$10

Name: _____ Class: _____ Date: _____

CH 7 REVIEW

Answer Key

1. b

2. d

3. c

4. b

5. b

6. c

7. a

8. b

9. c

10. b

11. c

12. a

13. c

14. d

15. c