

Algebra Unit 3 Study Guide--Equations Answer Section

1. ANS:
 $n = -1$ or $n = 2$

REF: Lesson 2-5

2. ANS:
13

3. ANS:
88,704 inches

4. ANS:
 $\frac{1}{5}p + 38 = 2p$

REF: Lesson 2-1

5. ANS:
 $85 - 5x = 10$

REF: Lesson 2-1

6. ANS:
4

REF: Lesson 2-4

7. ANS:
-8

REF: Lesson 2-4

8. ANS:
 $-16\frac{2}{3}$

REF: Lesson 2-4

9. ANS:
30

REF: Lesson 2-2

10. ANS:
-2

REF: Lesson 2-2

11. ANS:
26.8

REF: Lesson 2-3

12. ANS:
16

REF: Lesson 2-3

13. ANS:
 $1\frac{11}{63}$

REF: Lesson 2-2

14. ANS:
Three times the sum of x and y equals two times y minus x .

15. ANS:
all numbers

16. ANS:
64 cups

17. ANS:
94

18. ANS:
16,000 meters per hour

19. ANS:
 $x = -1$ or $x = 9$

REF: Lesson 2-5

20. ANS:
Five more than the product of two and v minus three is equal to w divided by four.

REF: Lesson 2-1

21. ANS:
 $x = \frac{bc}{a}$

22. ANS:
no solution

23. ANS:
 $x + (x + 1) + (x + 2) = 24$; 7, 8, 9

REF: Lesson 2-3

24. ANS:
 $x + (x + 2) + (x + 4) = 48$; 14, 16, 18

REF: Lesson 2-3

25. ANS:
245

26. ANS:
66

27. ANS:
-82

28. ANS:
-10

29. ANS:
68

30. ANS:
 $36 - x = 3(4 + x)$

31. ANS:
 $q = \frac{4 + 4t}{r}$

REF: Lesson 2-8

32. ANS:
 $m = \frac{7k - 10p}{2n}$

REF: Lesson 2-8