

Math 9
Ch 6.1 to 6.2 Review

Name _____

Date _____

Solve.

1. $9 - 17 = r$

2. $-26 - (-14) = p$

3. $34 - (-6) = a$

4. $4 + x = 7$

5. $18 = x + 2$

6. $10 = 8 + z$

7. $m = \frac{2}{3} - 1$

8. $x = \frac{7}{6} + \left(-\frac{5}{2}\right)$

9. $-2\frac{1}{2} = w - 7\frac{1}{2}$

10. $a + \frac{1}{6} = \frac{11}{12}$

11. $r + \left(-\frac{4}{3}\right) = \frac{2}{3}$

12. $x = \frac{45}{5}$

13. $39 = 3d$

14. $-14y = -126$

15. $48r = 92$

16. $\frac{t}{7} = 7$

17. $\frac{12y}{7} = 84$

18. $10 = \frac{4n}{7}$

19. $-\frac{2}{7}c = -\frac{7}{2}$

20. $-2\frac{1}{6} = \frac{1}{2}a$

21. $-\frac{1}{4}k = -2\frac{1}{8}$

22. $-a = 24 - 17$

23. $5k - 35 = 0$

24. $17 = 17 - 32p$

25. $-47 = -3x - 8$

26. $21 - (-15f) = 96$

27. $4f - (-56) = 56$

28. $-17 - (-5k) = -37$

29. $-5a - 68 = 92$

30. $-20y - 3 = -7$

31. $-44k - 2 = -6$

32. $\frac{5}{2} - \frac{d}{10} = 0$

33. $\frac{7a}{6} + \frac{4}{3} = \frac{1}{3}$

34. $-\frac{7}{4}a + \frac{1}{2} = -\frac{9}{10}$

35. $-\frac{4x}{7} - \frac{11}{14} = \frac{5}{6}$

36. $\frac{3}{2} = -\frac{7}{10}t - \frac{3}{5}$

37. $-18 = -\frac{2}{5}(15n - 45)$

38. $\frac{2}{3}(4y - 3) - \frac{1}{3} = -1$

39. $5 = \frac{3}{4}(3k + 2) - 2k$

40. $\frac{1}{5} + \frac{2}{5}(5 - 3a) = -3$

41. $-6x + \frac{3}{2}(x + 8) = 0$

42. 29 is the sum of r and 54.
Solve for r .

43. When a number is increased by 29, the result is 76. What is the number?

44. 24 more than a number is 80.
Find the number.

45. 16 is five more than n .
Find n .

46. 36 more than a number is 25.
What is the number?

47. When 24 is subtracted from b , the result is -80 .
Find b .

48. 75 minus some number is -113 . What is the number?

Answer List

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|--------------------|---------------------|---------------------|
| 1. -8 | 2. -12 | 3. 40 |
| 4. 3 | 5. 16 | 6. 2 |
| 7. $-\frac{1}{3}$ | 8. $-\frac{4}{3}$ | 9. 5 |
| 10. $\frac{3}{4}$ | 11. 2 | 12. 9 |
| 13. 13 | 14. 9 | 15. $\frac{23}{12}$ |
| 16. 49 | 17. 49 | 18. $\frac{35}{2}$ |
| 19. $\frac{49}{4}$ | 20. $-\frac{13}{3}$ | 21. $\frac{17}{2}$ |
| 22. -7 | 23. 7 | 24. 0 |
| 25. 13 | 26. 5 | 27. 0 |
| 28. -4 | 29. -32 | 30. $\frac{1}{5}$ |
| 31. $\frac{1}{11}$ | 32. 25 | 33. $-\frac{6}{7}$ |
| 34. $\frac{4}{5}$ | 35. $-\frac{17}{6}$ | 36. -3 |
| 37. 6 | 38. $\frac{1}{2}$ | 39. 14 |
| 40. $\frac{13}{3}$ | 41. $\frac{8}{3}$ | 42. -25 |
| 43. 47 | 44. 56 | 45. 11 |
| 46. -11 | 47. -56 | 48. 188 |

Catalog List

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|----------------|----------------|----------------|
| 1. ALG GA 1 | 2. ALG GA 4 | 3. ALG GA 7 |
| 4. ALG GA 11 | 5. ALG GA 14 | 6. ALG GA 16 |
| 7. ALG GA 121 | 8. ALG GA 131 | 9. ALG GA 151 |
| 10. ALG GA 171 | 11. ALG GA 181 | 12. ALG GB 1 |
| 13. ALG GB 21 | 14. ALG GB 41 | 15. ALG GB 61 |
| 16. ALG GB 71 | 17. ALG GB 81 | 18. ALG GB 91 |
| 19. ALG GB 101 | 20. ALG GB 109 | 21. ALG GB 112 |
| 22. ALG GC 1 | 23. ALG GC 13 | 24. ALG GC 25 |
| 25. ALG GC 36 | 26. ALG GC 47 | 27. ALG GC 57 |
| 28. ALG GC 67 | 29. ALG GC 78 | 30. ALG GC 89 |
| 31. ALG GC 92 | 32. ALG GC 131 | 33. ALG GC 141 |
| 34. ALG GC 151 | 35. ALG GC 154 | 36. ALG GC 160 |
| 37. ALG GD 174 | 38. ALG GE 133 | 39. ALG GE 134 |
| 40. ALG GE 135 | 41. ALG GE 136 | 42. ALG HA 1 |
| 43. ALG HA 11 | 44. ALG HA 13 | 45. ALG HA 15 |
| 46. ALG HA 17 | 47. ALG HA 21 | 48. ALG HA 31 |