**Course 2 Unit 7 Review Name:**

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| **Show your work on both sides of the equation.** | **Solution to the equation.** | **Check your answer here.** |
| **1. a + 27 = 51** | **a=** |  |
| **2. b + 3.4 = 17.21** | **b=** |  |
| **3. c +** $\frac{4}{9}$ **=** $\frac{9}{10}$ | **c=** |  |
| **4. d – 16 = 32** | **d=** |  |
| **5. e – 15.2 = 45** | **e=** |  |
| **6. f-** $\frac{1}{2}$ **=** $\frac{3}{4}$ | **f=** |  |
| **7. 17g = 51** | **g=** |  |
| **8. 1.5 h = 22.5** | **h=** |  |
| **9.** $\frac{8}{9}$ **j = 15** | **j=** |  |
| **10.** $\frac{k}{10}$ **= 12** | **k=** |  |
| **11.** $\frac{m}{1.2}$ **= 1.2** | **m=** |  |
| **12.** $\frac{n}{9}$ **=** $\frac{3}{8}$ | **n=** |  |
| **13. 5 p + 6 = 36** | **p=** |  |
| **14. 6q – 7 = 36** | **q=** |  |
| **15.** $\frac{r}{3}$ **+ 6 = 18** | **r=** |  |
| **16.** $\frac{s}{2 }$ **- 18 = 45** | **s=** |  |
| **17. 5t + 8 + 6 t = 96** | **t=** |  |
| **18. 19u – 12u + 8=57** | **u=** |  |
| **19. 5(2v + 6) =100** | **v=** |  |
| **20. 3(6w – 8 ) = 66** | **w=** |  |

For each of the word problems, **write** AND **solve** an equation.

21. Kyle and his brother bought a bag of candy and split it. Kyle gave half of his candy to a friend and then 9 pieces to his sister. If Kyle has 19 pieces of candy left, how many pieces of candy were in the bag that Kyle and his brother bought?

22. Simone has 7 more books than Miguel. Simone has 29 books. How many books does Miguel have?

23. The Coombs traveled 927.9 miles on a road trip. At the end of the trip, the odometer read 37,231.1 miles. Write and solve an equation to find what the odometer read at the beginning of the trip.

24. Write and solve an equation to find the unknown side length.

 Perimeter: 50 m



25. At the Last Chance Filling Station, gas costs $2.26 a gallon. Reggie paid $29.38 to fill his tank. Write and solve an equation to find the number of gallons Reggie bought.