Solving Division Equations Name:

Solve each equation.

* Be sure to show your work on both sides of the equation.
* Make sure you show how you check your answer.

1. $\frac{b}{8}$ = 12 2. $\frac{c}{12}$ = 11

3. 21 = $\frac{d}{5}$ 4. 56 = $\frac{e}{2}$

5. $\frac{f}{2.1}$ = 8 6. 9 = $\frac{g}{3.4}$

7. $\frac{h}{5}$ = 12. 4 8. 23.1 = $\frac{j}{7.2}$

9. $\frac{k}{12}$ = $\frac{4}{5}$ 10. $\frac{m}{3}$ = $\frac{1}{3}$

11. $\frac{n}{5}$ = $\frac{4}{9}$ 12. $\frac{p}{7}$ = $\frac{1}{3}$

13. There are five people in a family. Each family member received 6 cookies. Write and solve a division equation to find c, the total number of cookies.

14. There are 30 students in a class. Each student receives 6 books for all of the different subjects taught. Write and solve a division equation to find b, the total number of books for the students.

15. There are 200 sheets of paper in a package of loose leaf paper. A student purchases 5 packages of paper for the upcoming school year. Write and solve a division equation to find p, the total number of sheets of paper that the student bought.

16. A car travels an average rate of 55 miles per hour on a trip. The car traveled for a total of 6.5 hours. Write and solve a division equation to find the total number of miles that the car traveled on this trip.

17. $\frac{q}{2.4}$ = 3.4 18. $\frac{r}{1.02}$ = 2.32

19. $\frac{s}{4.2}$ = 5.21 20. $\frac{t}{6.21}$ = 4.56