

LESSON

Homework and Practice**5J****Solving Fraction Equations: Multiplication and Division**

Solve each equation. Check your answers.

1. $\frac{1}{6}t = \frac{1}{2}$

2. $\frac{1}{4}w = \frac{1}{2}$

3. $\frac{2}{3}v = 14$

4. $\frac{3}{5}j = \frac{1}{4}$

5. $\frac{3f}{7} = 6$

6. $\frac{1}{6}i = 3$

7. $3x = \frac{9}{14}$

8. $6g = \frac{3}{4}$

9. $\frac{m}{4} = 2$

10. $\frac{2}{3}z = \frac{3}{8}$

11. $2t = \frac{11}{12}$

12. $\frac{1}{13}e = 4$

13. If each child eats $\frac{1}{4}$ of a bag of peanuts and $2\frac{1}{2}$ bags are eaten, how many children are there?

14. Four runners ran an average of $2\frac{1}{3}$ miles. What was the total distance run?

15. A rope braiding machine can make $\frac{10}{13}$ of a foot of rope per second. How many seconds will it take to make 20 feet of rope?
