

# Solving Equations with Fractions

**P 5-9**

Solve each equation and check your answer.

1.  $y + 1\frac{1}{4} = 2\frac{3}{8}$  \_\_\_\_\_

2.  $w - 2 = 3\frac{1}{2}$  \_\_\_\_\_

3.  $z \div \frac{3}{4} = 4\frac{1}{4}$  \_\_\_\_\_

4.  $\frac{1}{3} = \frac{7}{8}q$  \_\_\_\_\_

5.  $6\frac{1}{2} = \frac{5}{6}b$  \_\_\_\_\_

6.  $2\frac{1}{4} = p - \frac{3}{8}$  \_\_\_\_\_

7.  $2\frac{1}{4} = x \div \frac{1}{2}$  \_\_\_\_\_

8. **Number Sense** Is the solution of  $m \div \frac{2}{3} = 9$  greater than or less than the solution of  $m \div \frac{1}{4} = 9$ ? Explain.

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9. The bakery used  $42\frac{1}{3}$  c of flour. There were  $10\frac{1}{3}$  c left in the flour bin. Use the equation  $x - 42\frac{1}{3} = 10\frac{1}{3}$  to find out how many cups of flour the bakery had to start with. \_\_\_\_\_10. Alex had a ball of string. He cut the string into 26 equal pieces. Each piece measured  $3\frac{1}{4}$  in. Use the equation  $m \div 26 = 3\frac{1}{4}$  to find the length of the ball of string. \_\_\_\_\_

## Test Prep

11. Solve  $12y = 2\frac{1}{4}$ .

A.  $1\frac{1}{2}$

B.  $1\frac{1}{8}$

C.  $\frac{7}{36}$

D.  $\frac{9}{48}$

12. **Writing in Math** Write the steps you would use to solve the equation  $z + 3\frac{1}{5} = 6\frac{3}{5}$ . Solve.

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