Name _____

Practice **9-6**

Solving Equations

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.

_____

_____

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. _____

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

A $1\frac{1}{2}$ **B** $1\frac{1}{8}$ **C** $\frac{7}{36}$ **D** $\frac{3}{16}$

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

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Practice **9-6**

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