

**ALGEBRA**

Name: \_\_\_\_\_

**Solving Equations w/ Fractions**

Period: \_\_\_\_\_

**Solve each equation by adding or subtracting the fraction. Write all answers in SIMPLEST FORM.**

1.  $y + \frac{1}{10} = \frac{7}{10}$

2.  $b + \frac{8}{11} = \frac{6}{11}$

3.  $a - \frac{1}{4} = \frac{5}{12}$

4.  $a - 2\frac{2}{3} = 3\frac{1}{2}$

5.  $x - 2\frac{1}{5} = \frac{1}{2}$

6.  $a - 5\frac{1}{2} = 5\frac{1}{3}$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

Solve each equation by multiplying a fraction. Write all answers in SIMPLEST FORM.

7.  $2x = \frac{2}{3}$

8.  $5x = \frac{25}{27}$

9.  $\frac{6}{11}y = \frac{1}{3}$

10.  $\frac{15}{16} = \frac{3}{4}w$

11.  $-\frac{3}{16}y = 1\frac{1}{8}$

12.  $1\frac{3}{7}m = \frac{6}{7}$

Answers

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

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A. \_\_\_\_\_

B. \_\_\_\_\_

**CHALLENGE**

A.  $2x - 2\frac{1}{2} = 3\frac{1}{2}$

B.  $5x + \frac{1}{6} + \frac{2}{3} - 2x = \frac{2}{3} - \frac{1}{2}$