

Math 0404 – Pre-Algebra
Fractions – Equation Solving

Solve the following equations:

1. $-\frac{1}{5} = x - \frac{5}{6}$

2. $26 = 4y$

3. $\frac{7}{8}x = -\frac{5}{16}$

4. $-5m = -\frac{15}{16}$

5. $\frac{5}{9} = x - \frac{2}{3}$

6. $\frac{3x}{7} = \frac{1}{2}$

7. $\frac{-2y}{3} = 4\frac{7}{8}$

8. $\frac{13}{5} = x + 2\frac{1}{2}$

9. A number minus one-third is one-half. Find the #.

Solutions

1. $-\frac{1}{5} = x - \frac{5}{6}$

$$\frac{19}{30}$$

2. $26 = 4y$

$$\frac{13}{2}$$

3. $\frac{7}{8}x = -\frac{5}{16}$

$$-\frac{5}{14}$$

4. $-5m = -\frac{15}{16}$

$$-\frac{3}{16}$$

5. $\frac{5}{9} = x - \frac{2}{3}$

$$\frac{11}{9}$$

6. $\frac{3x}{7} = \frac{1}{2}$

$$\frac{7}{6}$$

7. $\frac{-2y}{3} = 4\frac{7}{8}$

$$-7\frac{5}{16}$$

8. $\frac{13}{5} = x + 2\frac{1}{2}$

$$\frac{1}{10}$$

9. A number minus one-third is one-half. Find the #.

$$\frac{5}{6}$$