

# Solving Equations with Fractions (Part A)

Date \_\_\_\_\_

## PRACTICE QUESTIONS:

a)  $7 = \frac{1+m}{-3}$

b)  $\frac{1(11+n)}{4} = 9$

c)  $\frac{g}{3} - 2 = \frac{2g}{3}$

d)  $\frac{m+1}{5} = \frac{m}{6}$

e)  $\frac{y+2}{9} = \frac{y-3}{3}$

f)  $\frac{m-3}{4} = \frac{m+1}{3}$

g)  $\frac{w-1}{4} = \frac{w+2}{3}$

h)  $\frac{3c-2}{5} = \frac{2c-1}{3}$

# Solving Equations with Fractions (Part A)

Date Solutions.

## PRACTICE QUESTIONS:

$$a) 7 = \frac{1+m}{-3}$$

$$\begin{aligned} \leftarrow -21 &= 1+m \\ -22 &= m \end{aligned}$$

$$b) \frac{1(11+n)}{4} = 9$$

$$\begin{aligned} 11+n &= 36 \\ n &= 36-11 \\ n &= 25 \end{aligned}$$

$$c) \frac{g}{3} - 2 = \frac{2g}{3}$$

$$\begin{aligned} -2 &= \frac{2g}{3} - \frac{g}{3} \\ -2 &= \frac{g}{3} \\ -6 &= g \end{aligned}$$

$$d) \frac{m+1}{5} = \frac{m}{6}$$

$$\begin{aligned} 6(m+1) &= 5m \\ 6m+6 &= 5m \\ 6m-5m &= -6 \\ m &= -6 \end{aligned}$$

**FRACTION.**

$$* e) \frac{y+2}{9} = \frac{y-3}{3}$$

$$\begin{aligned} 3(y+2) &= 9(y-3) \\ 3y+6 &= 9y-27 \\ 6+27 &= 9y-3y \\ \frac{33}{6} &= \frac{6y}{6} \\ \frac{33}{6} &= y \end{aligned}$$

$$f) \frac{m-3}{4} = \frac{m+1}{3}$$

$$\begin{aligned} 3(m-3) &= 4(m+1) \\ 3m-9 &= 4m+4 \\ -9-4 &= 4m-3m \\ -13 &= m \end{aligned}$$

$$g) \frac{w-1}{4} = \frac{w+2}{3}$$

$$\begin{aligned} 3(w-1) &= 4(w+2) \\ 3w-3 &= 4w+8 \\ -3-8 &= 4w-3w \\ -11 &= w \end{aligned}$$

$$h) \frac{3c-2}{5} = \frac{2c-1}{3}$$

$$\begin{aligned} 3(3c-2) &= 5(2c-1) \\ 9c-6 &= 10c-5 \\ -6+5 &= 10c-9c \\ -1 &= c \end{aligned}$$