

Name: _____

Block: _____

6.2 Part 2 Practice – Solving Equations Containing Fractions

1. Solve each equation.

a) $\frac{22.75}{w} = -3.5$

b) $2.4 = \frac{4.8}{x}$

c) $\frac{-5.4}{t} = -1.8$

2. Solve each equation. Show your work clearly.

a) $2 - \frac{x}{24} = \frac{5x}{24} + 1$

b) $\frac{5x}{16} - \frac{5}{4} = \frac{x}{4}$

c) $\frac{x}{4} + \frac{7}{4} = \frac{5}{6}$

d) $\frac{25}{9} + \frac{x}{9} = \frac{7x}{6} - \frac{5}{2}$

3. Solve.

$$\text{a) } \frac{2}{5}(m + 4) = \frac{3m}{5} + \frac{9}{5}$$

$$\text{b) } \frac{7}{2}(x + 12) = \frac{5}{2}(20 + x)$$

6.2 Part 2 Practice - Answers

1. a) -6.5 b) 2 c) 3
2. a) 4 b) 20 c) $-3\frac{2}{3}$ or $-\frac{11}{3}$ or $-3.\bar{6}$ d) 5
3. a) -1 b) 8