

Name: Key Date: _____ Core: _____

Equations with Fractions and Decimals

<p>1. $m - (-0.7) = -1.2$</p> $\begin{array}{r} m + 0.7 = -1.2 \\ -0.7 \quad +0.7 \\ \hline m = -1.9 \end{array}$	<p>2. $-\frac{3}{4} \cdot -\frac{1}{8} p = \frac{1}{4} \cdot -\frac{3}{1}$</p> $p = -\frac{3}{4}$
<p>3. $x - \frac{5}{6} = \frac{1}{10} = \frac{3}{30}$</p> $\begin{array}{r} x - \frac{5}{6} = \frac{3}{30} \\ +\frac{5}{6} \quad +\frac{5}{6} \quad +\frac{25}{30} \\ \hline x = \frac{28}{30} = \frac{14}{15} \end{array}$	<p>4. $\frac{4.3b}{9} = \frac{4}{9} + y$</p> $\begin{array}{r} \frac{4.3b}{9} = \frac{4}{9} + y \\ -\frac{4}{9} \quad -\frac{4}{9} \\ \hline \frac{32}{9} = y \\ \text{or } 3\frac{5}{9} \end{array}$
<p>5. $-\frac{12}{11} \cdot -\frac{1}{12} w = -1 \cdot -\frac{12}{11}$</p> $w = \frac{12}{11} \text{ or } 1\frac{1}{11}$	<p>6. $-1.3m = 3.12$</p> $\begin{array}{r} -1.3m = 3.12 \\ -1.3 \quad -1.3 \\ \hline m = -2.4 \end{array}$ <div style="float: right; margin-top: 10px;"> $\begin{array}{r} 1.3 \overline{) 3.12} \\ \underline{26} \\ 52 \\ \underline{52} \\ 0 \end{array}$ </div>
<p>7. $-\frac{8k}{8} = \frac{8}{8} \quad 8 \overline{) 8}$</p> $k = 1$	<p>8. $-\frac{9}{6} + g = 4\frac{2}{3} = 4\frac{4}{6}$</p> $\begin{array}{r} -\frac{9}{6} + g = 4\frac{4}{6} \\ +\frac{9}{6} \quad +\frac{9}{6} \\ \hline g = 4\frac{9}{6} \text{ or } 5\frac{3}{6} \\ = 5\frac{1}{2} \end{array}$