

**Answer on Question #76801 – Math – Algebra**

**Question**

1. LaTeX:  $\left(3\frac{1}{2}-9\frac{3}{4}\right)\div\left(-2.5\right)$

**Solution**

$\left(3\frac{1}{2}-9\frac{3}{4}\right)\div\left(-2.5\right)$  means  $\left(3\frac{1}{2}-9\frac{3}{4}\right)\div(-2.5)$ ;

$$\begin{aligned}\left(3\frac{1}{2}-9\frac{3}{4}\right)\div(-2.5) &= \left(\frac{7}{2}-\frac{39}{4}\right)\div(-2.5) = \left(\frac{14-39}{4}\right)\div(-2.5) = \left(\frac{-25}{4}\right)\div(-2.5) = \\ &= (-6.25)\div(-2.5) = \frac{-6.25}{-2.5} = \frac{6.25}{2.5} = 2.5\end{aligned}$$

**Answer:** 2.5.