

Examples for how to show work on "Other Assignment" order of operations

$$\textcircled{1} \left(-\frac{2}{3} + \frac{1}{6}\right)^3 - \left(\frac{1}{2}\right)\left(-3\frac{1}{5}\right)$$

$$\left(-\frac{1}{2}\right)^3 - \left(\frac{1}{2}\right)\left(-3\frac{1}{5}\right)$$

$$-\frac{1}{8} - \left(\frac{1}{2}\right)\left(-3\frac{1}{5}\right)$$

$$-\frac{1}{8} - \left(-1\frac{3}{5}\right)$$

$$-\frac{1}{8} + 1\frac{3}{5}$$

$$-\frac{5}{40} + 1\frac{24}{40}$$

$$1\frac{19}{40}$$

$-\frac{2}{3} + \frac{1}{6}$	$\left(-\frac{1}{2}\right)^3 = -\frac{1}{2} \cdot -\frac{1}{2} \cdot -\frac{1}{2}$
$-\frac{4}{6} + \frac{1}{6}$	$= -\frac{1}{8}$
$-\frac{3}{6}$	$\frac{1}{2} \cdot 3\frac{1}{5}$
$-\frac{1}{2}$	$\frac{1}{2} \cdot \frac{16}{5}$
$\frac{3}{5} = 1\frac{24}{40}$	$-\frac{8}{5}$
$-\frac{1}{8} = \frac{5}{40}$	$-1\frac{3}{5}$
$1\frac{19}{40}$	

$$\textcircled{2} \left(-1\frac{1}{2}\right)\left(-\frac{4}{5}\right) \div \left(\frac{2}{15}\right) - \left(-4\frac{1}{2} + \frac{2}{3}\right)$$

$$\left(-1\frac{1}{2}\right)\left(-\frac{4}{5}\right) \div \left(\frac{2}{15}\right) - \left(-3\frac{5}{6}\right)$$

$$\left(-\frac{3}{2}\right)\left(-\frac{4}{5}\right)\left(\frac{15}{2}\right) + 3\frac{5}{6}$$

$$9 + 3\frac{5}{6}$$

$$12\frac{5}{6}$$

$$-4\frac{1}{2} + \frac{2}{3}$$

$$-4\frac{3}{6} + \frac{4}{6}$$

$$-4\frac{3}{6} = -3\frac{9}{6}$$

$$-4\frac{3}{6} = -4\frac{4}{6}$$

$$-3\frac{5}{6}$$

$$-\frac{3}{2} \cdot \frac{4}{5} \cdot \frac{15}{2}$$

$$9$$