

Warm up:

1)

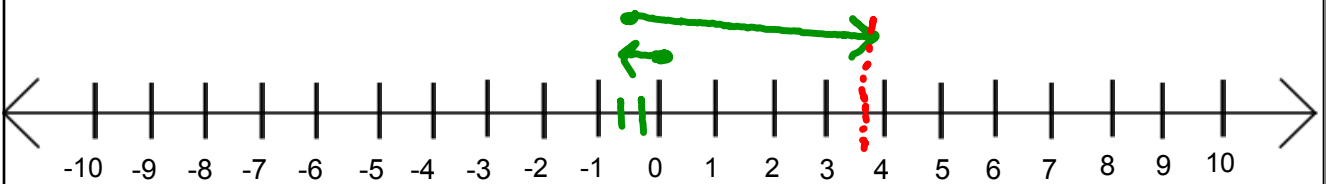
$$\begin{aligned}
 & -2\frac{5}{8} - \left(-1\frac{1}{6}\right) \\
 & -\frac{17}{8} - \left(-\frac{7}{6}\right) \\
 & -\frac{63}{24} - \left(-\frac{28}{24}\right) \\
 & -\frac{35}{24} = \boxed{-1\frac{11}{24}}
 \end{aligned}$$

2)

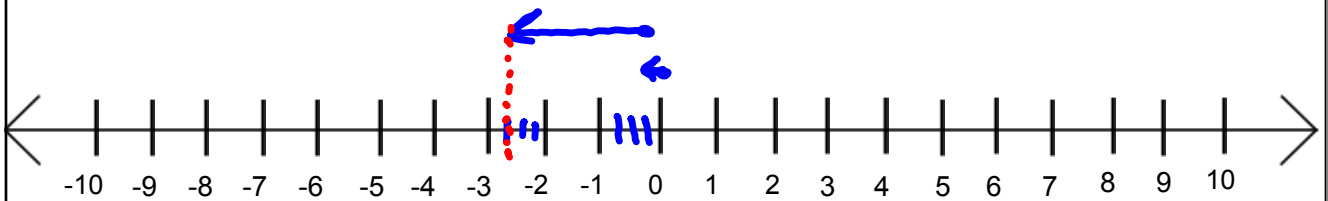
$$\begin{aligned}
 & \frac{3}{4} + \left(-5\frac{2}{5}\right) \\
 & \frac{3}{4} + \left(-\frac{27}{5}\right) \\
 & \frac{15}{20} + \left(-\frac{108}{20}\right) \\
 & -\frac{93}{20} = \boxed{-4\frac{13}{20}}
 \end{aligned}$$

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

$\frac{2}{3} = \frac{2}{3}$



$$-\frac{1}{4} + \left(-\frac{5}{2}\right) = -\frac{1}{4} + \left(-2\frac{1}{2}\right)$$
$$-\frac{1}{4} + \left(-\frac{10}{4}\right) = -\frac{11}{4} = -2\frac{3}{4}$$



$$-\frac{19}{3} + \frac{53}{6} \quad -6\frac{1}{3} + 8\frac{5}{6}$$
$$-\frac{38}{6} + \frac{53}{6}$$
$$\frac{15}{6} = 2\frac{3}{6} = \left(2\frac{1}{2}\right)$$



$$-7\frac{3}{4} - (-5)$$



HW Solutions

②

$$-3\frac{1}{3} - 4\frac{2}{9}$$

$$-\frac{10}{3} - \frac{38}{9}$$

$$-\frac{30}{9} - \frac{38}{9}$$

$$\begin{array}{r} -30 - 38 \\ -20 + (-38) \\ -68 \end{array}$$

$$= -\frac{68}{9} = -7\frac{5}{9}$$

$$\begin{aligned} \textcircled{5} \quad & -5\frac{1}{2} - \left(-4\frac{3}{8}\right) \\ & -\frac{11}{2} - \left(-\frac{35}{8}\right) \\ & -\frac{44}{8} + \left(+\frac{35}{8}\right) \\ & -\frac{9}{8} = \textcircled{-\frac{1}{8}} \end{aligned}$$

Draw a number line diagram and solve.

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

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

$$2\frac{2}{3} + \left(-7\frac{1}{3}\right)$$

$$-2\frac{1}{4} + \left(-6\frac{1}{2}\right)$$

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

$$-7\frac{3}{4}$$

$$-\frac{20}{4} + \left(-\frac{11}{4}\right)$$

$$-\frac{31}{4} = -7\frac{3}{4}$$

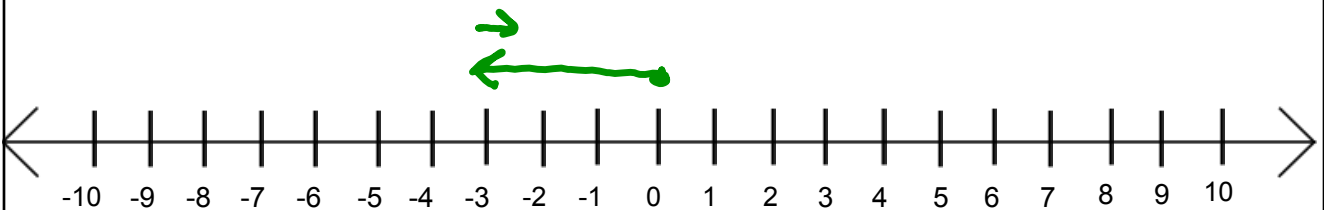


$$-3\frac{1}{3} + \left(+\frac{1}{2}\right)$$

$$-\frac{10}{3} + \frac{1}{2}$$

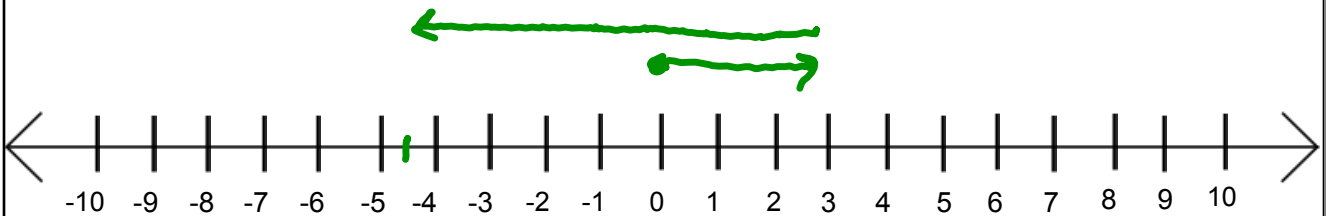
$$-\frac{20}{6} + \frac{1}{2} = -\frac{19}{6}$$

$$= -2\frac{5}{6}$$



$$2\frac{2}{3} + \left(-7\frac{1}{3}\right)$$

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



$$-2\frac{1}{4} + \left(-6\frac{1}{2}\right)$$



