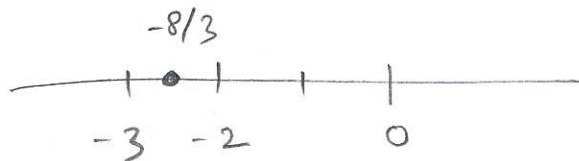


Quiz

$$-\frac{3}{8}$$



$$-\frac{8}{3}$$



$$\begin{aligned}
 & -43 - (-17) \\
 & = -43 + 17 \\
 & = -26
 \end{aligned}$$

$$\begin{aligned}
 & -17 - (-43) \\
 & = -17 + 43 \\
 & = 26
 \end{aligned}$$

$$\begin{aligned}
 & -\frac{5}{6} - (-\frac{1}{2}) \\
 & = -\frac{5}{6} + \frac{1}{2} \cdot \frac{3}{3} \\
 & = -\frac{5}{6} + \frac{3}{6} \\
 & = -\frac{2}{6} \\
 & = -\frac{1}{3}
 \end{aligned}$$

$$\begin{aligned}
 & -\frac{5}{6} - (-\frac{1}{3}) \\
 & = -\frac{5}{6} + \frac{1}{3} \cdot \frac{2}{2} \\
 & = -\frac{5}{6} + \frac{2}{6} \\
 & = -\frac{3}{6} \\
 & = -\frac{1}{2}
 \end{aligned}$$

$$\begin{aligned}
 & -52 - (-9) + (-14) \\
 & = -52 + 9 - 14 \\
 & = -43 - 14 \\
 & = -57
 \end{aligned}$$

$$\begin{aligned}
 & -18 - (-2) + (-22) \\
 & = -18 + 2 - 22 \\
 & = -16 - 22 \\
 & = -38
 \end{aligned}$$

### Practice Assessment unit 3

$$\begin{aligned}
 1a) \quad & \frac{336 \text{ words}}{15 \text{ min}} \\
 & = \frac{112 \text{ words}}{5 \text{ min}}
 \end{aligned}$$

$$\begin{aligned}
 5) \quad & \frac{\frac{1}{2}}{x} = \frac{2}{\frac{4}{5}} \\
 & \frac{0.5}{x} = \frac{2}{0.8}
 \end{aligned}$$

$$2a) \quad \frac{\$7}{3 \text{ can}} = \frac{\$28}{12 \text{ can}}$$

$$\begin{aligned}
 & \frac{2x}{2} = \frac{0.4}{2} \\
 & x = 0.2
 \end{aligned}$$

$$3) \quad \frac{6}{x} = \frac{4}{8}$$

$$\frac{4x}{4} = \frac{48}{4}$$

$$x = 12$$

$$7) \quad \frac{\frac{1}{10}}{\frac{20}{20}} = \frac{\frac{3}{100}}{x}$$

$$\frac{0.1}{0.15} = \frac{0.03}{x}$$

$$\frac{0.1x}{0.1} = \frac{0.0045}{0.1}$$

$$x = 0.045$$

$$9) \frac{7}{5} = \frac{x}{825}$$

$$\frac{5x}{5} = \frac{5775}{5}$$

$$x = 1155 \text{ up}$$

$$11) \frac{140}{100} = \frac{14}{10} = \frac{7}{5}$$

$$13) 18.9\%$$

$$\frac{18.9}{100} = \frac{189}{10000}$$

$$13) 55.6\%$$

$$\frac{55.6}{100} = \frac{556}{1000} = \frac{278}{500} = \frac{139}{250}$$

$$23) 64 = \frac{40}{100} (x)$$

$$\frac{40x}{40} = \frac{6400}{40}$$

$$x = 160$$

$$31a) -\frac{4}{3} - (-\frac{1}{2})$$

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

$$= -\frac{8}{6} + \frac{3}{6}$$

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

$$11) 18\frac{1}{3}\%$$

$$= \frac{55}{3}\%$$

$$= \frac{55}{300}$$

$$= \frac{11}{60}$$

$$14) 8\frac{1}{4}\%$$

$$= \frac{8.25}{100}$$

$$= \frac{825}{10000}$$

$$31b) -\frac{4}{3} (-\frac{1}{2})$$

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

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

$$34a) \frac{8}{9} (-\frac{27}{4})$$

$$= -\frac{\cancel{2} \cdot \cancel{2} \cdot 3 \cdot \cancel{3} \cdot \cancel{3}}{\cancel{3} \cdot \cancel{3} \cdot \cancel{2} \cdot \cancel{2}}$$

$$= -6$$

$$35) \frac{3}{7} \div (1 - \frac{9}{28})$$

$$= \frac{3}{7} \left( \frac{-28}{9} \right) = -\frac{\cancel{7} \cdot 2 \cdot 2 \cdot \cancel{7}}{\cancel{7} \cdot 3 \cdot \cancel{3}} = -\frac{4}{3}$$

$$38) -5(7) - 3(2-6)$$

$$= -35 - 3(-4)$$

$$= -35 + 12$$

$$= -23$$