

Warm up:

1) $-8(2) = -16$

2) $\frac{-22}{-2} = 11$

3) Convert the following fraction into a decimal.

$$\begin{array}{r}
 0.466 \\
 15 \overline{) 7.0000} \\
 \underline{-60} \\
 100 \\
 \underline{-90} \\
 100 \\
 \underline{-90} \\
 100
 \end{array}
 \quad
 \frac{7}{15}
 \quad
 \begin{array}{r}
 2 \\
 \times 15 \\
 \hline
 75
 \end{array}
 \quad
 \begin{array}{r}
 3 \\
 \times 15 \\
 \hline
 90
 \end{array}
 \quad
 \textcircled{0.46\overline{6}}$$

$$2 \overline{)5}$$

$$\frac{5}{2}$$

Assessment Solutions

① $-27.95 \div 8.6$

$$\begin{array}{r} 8.6 \overline{) 27.95} \\ \underline{3.25} \\ 8.6 \overline{) 279.50} \\ \underline{-2586} \\ 215 \\ \underline{-172} \\ 430 \\ \underline{-430} \\ 0 \end{array}$$

$$\begin{array}{r} 1 \\ \times 86 \\ \hline 258 \\ \times 86 \\ \hline 2150 \end{array}$$

-3.25

$$\textcircled{3} \quad \frac{-32}{4} = \textcircled{-8}$$

⑤

$$\frac{7}{16}$$

$$\frac{4}{16} \times \frac{7}{16}$$

$$\begin{array}{r} \textcircled{0.4375} \\ \hline 16 \overline{) 7.0000} \\ \underline{-64} \\ 60 \\ \underline{-48} \\ 12 \\ \underline{-12} \\ 0 \\ \hline \end{array}$$

6

$$\begin{array}{r} 0.1818 \\ \hline 11 \overline{) 2.0000} \\ \underline{-11} \\ 90 \\ \underline{-88} \\ 20 \\ \underline{-11} \\ 90 \\ \underline{-88} \\ 20 \\ \hline \end{array}$$

$$0.18\overline{18}$$

⑨

$$\frac{-5\frac{2}{4}}{\frac{3}{21}}$$

$$\begin{array}{r} -27 \\ 5 \overline{) 27} \\ \underline{-9} \\ 5 \overline{) 22} \\ \underline{-20} \\ 2 \end{array} \div \frac{3}{4}$$
$$- \frac{36}{5} = -7\frac{1}{5}$$

$$\textcircled{12} \quad -9.7(-2.41)$$

$$\begin{array}{r} 2.41 \\ \times 9.7 \\ \hline 1687 \\ 21690 \\ \hline 23.377 \end{array}$$

23.377

④

$$\frac{-50}{-10} = 5$$

⑤

$$-4\frac{1}{5}(-1\frac{1}{3})$$

$$\begin{array}{l} \rightarrow \\ -\frac{21}{5}(-\frac{4}{3}) = \frac{28}{5} = 5\frac{3}{5} \end{array}$$

(13)

$$3\frac{3}{4} \cdot 6$$

$$\frac{15}{\cancel{4}_2} \cdot \frac{\cancel{6}^3}{1} = \frac{45}{2} = 22\frac{1}{2} \text{ cys}$$

$$\frac{90}{4} = 22\frac{2}{4}$$

10

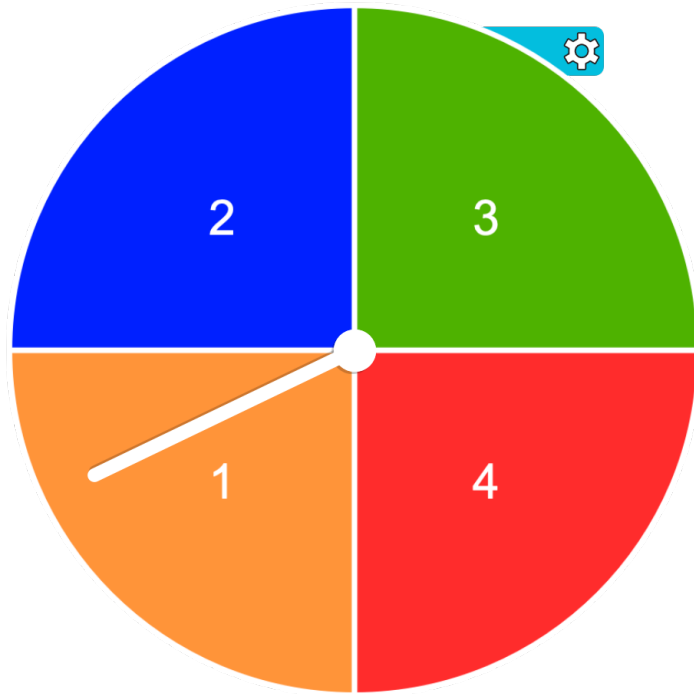
$$-3\frac{1}{2} \div (-5)$$

$$-\frac{7}{2} \div \left(-\frac{5}{1}\right)$$

$$-\frac{7}{2} \cdot \left(-\frac{1}{5}\right) = \frac{7}{10}$$

⑦

$$5\left(-\frac{7}{10}\right)$$
$$\frac{5}{1}\left(-\frac{7}{10}\right) = -\frac{35}{10} = -3\frac{5}{10} = \boxed{-3\frac{1}{2}}$$



$$\begin{array}{r} \\ \\ \times \\ \hline \\ \\ \hline \\ \\ \hline \end{array}$$

8.76

$$-\frac{3}{5} \div 8$$

$$-\frac{3}{5} \div \frac{8}{1} = -\frac{3}{40}$$

John wants to run $11\frac{2}{3}$ mi over the next 3 days. If he wants to run the same distance each day, how far should he run each day?

$$11\frac{2}{3} \div 3$$

$$\frac{35}{3} \div \frac{3}{1} = \frac{35}{3} \cdot \frac{1}{3} = \frac{35}{9} = 3\frac{8}{9} \text{ mi}$$

Convert the following fraction into a decimal.

$$\begin{array}{r} 0.875 \\ 8 \overline{) 7.000} \\ \underline{-64} \\ 60 \\ \underline{-56} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

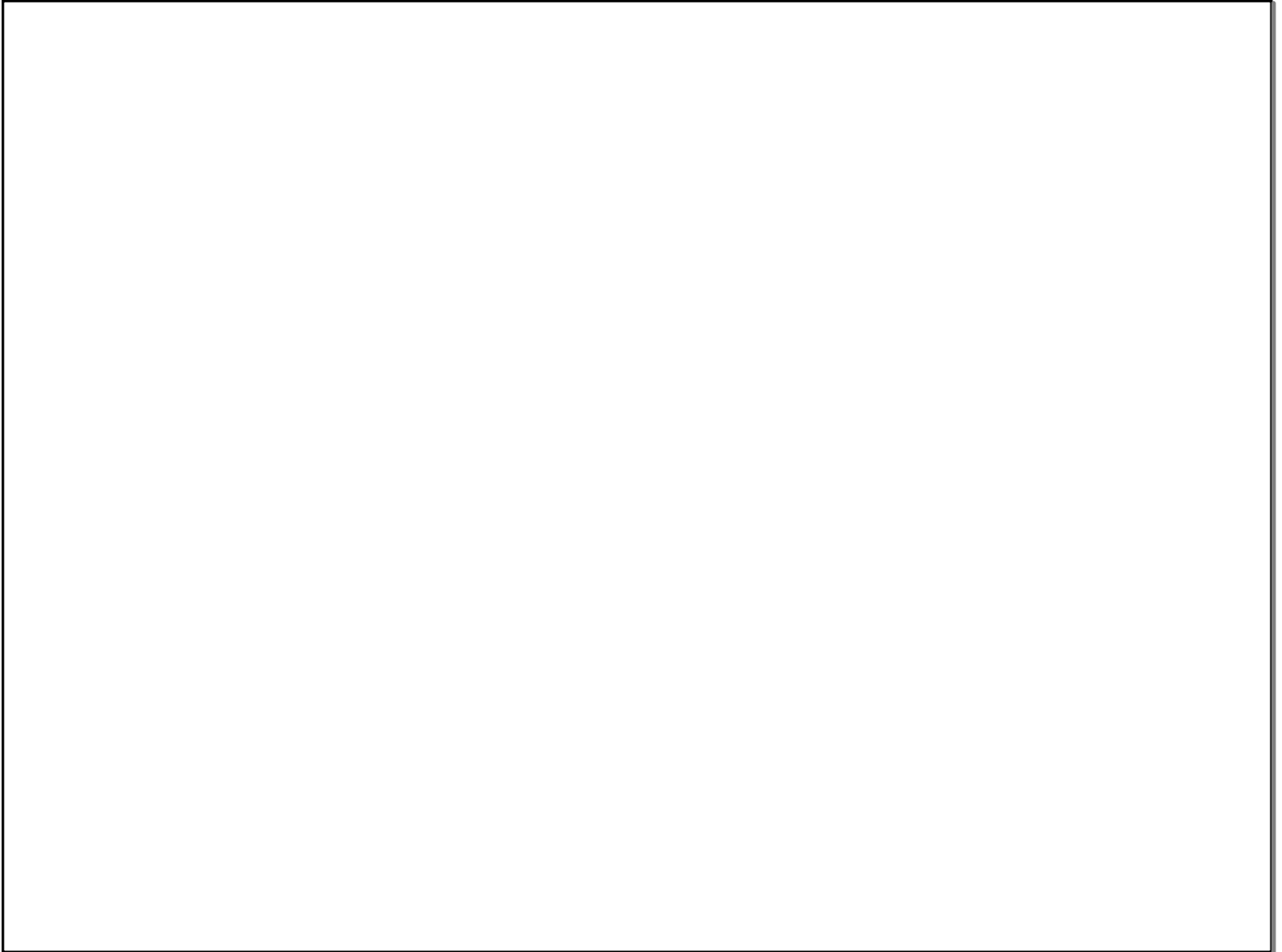
$$3 \frac{7}{8}$$

$$3.875$$

$$\begin{array}{r} 2\frac{1}{3} \\ \hline -1\frac{4}{5} \end{array}$$

$$-10.81 \div 2.3$$

$$-\frac{3}{4}\left(-2\frac{1}{7}\right)$$



November 1, 2021

