

Around the Room Review Answer Document

1a.

$$\begin{array}{r} 0.2727 \\ 11 \overline{) 3.0000} \\ \underline{22} \\ 80 \\ \underline{77} \\ 30 \\ \underline{22} \\ 80 \end{array}$$

$-0.\overline{27}$

1b.

$$\begin{array}{r} 0.65 \\ 20 \overline{) 13.00} \\ \underline{120} \\ 100 \end{array}$$

-3.65

2a.

$$3 \frac{42}{100}$$

$3 \frac{21}{50}$

2b.

$$\frac{35}{100}$$

$-\frac{7}{20}$

3a.

$$1.8 - (-2.5)$$

$$\begin{array}{r} 1.8 \\ + 2.5 \\ \hline 4.3 \end{array}$$

4.3

3b.

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

$$-3\frac{1}{2} + 7$$

$3\frac{1}{2}$

4

$$5.73 - (-3.56)$$

$$\begin{array}{r} 5.73 \\ + 3.56 \\ \hline 9.29 \end{array}$$

$$9.29$$

5

$$-\frac{5}{3} + \frac{7}{3}$$

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

6

$$\begin{array}{r} -9.24 \\ + -2.89 \\ \hline 12.13 \end{array}$$

$$-12.13$$

7

$$4\frac{2}{3} - (-6\frac{1}{2})$$

$$4\frac{2}{3} + 6\frac{1}{2}$$

$$4\frac{4}{10} + 6\frac{5}{10}$$

$$10\frac{9}{10}$$

8a.

$$-2\frac{7}{8} < -2\frac{3}{4}$$

8b.

$$-6.4 > -6.5$$

9a.

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

$$\frac{15}{24} + \left(-\frac{40}{24}\right) = -\frac{25}{24}$$

$$\left(-\frac{1}{24}\right)$$

9b.

$$3\left(\frac{5}{8}\right) + \left|-\frac{5}{3}\right| \neq 2$$

$$\frac{15}{8} + \frac{5}{3} \neq 2$$

$$\frac{15}{8} + \frac{10}{3} = \frac{45}{24} + \frac{80}{24}$$

$$\frac{125}{24} = \left(5\frac{5}{24}\right)$$

10

$$2\frac{3}{8}$$

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

$$2\frac{15}{40} < 2\frac{16}{40}$$

My friend's ramp
is higher

11a.

$$\left(-\frac{2}{5}\right)\left(-\frac{1}{4}\right)$$

$$\left(-\frac{21}{31}\right)\left(-\frac{31}{42}\right)$$

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

11b.

$$-\frac{2}{7} \div \left(-\frac{8}{21}\right)$$

$$-\frac{21}{71} \cdot \left(-\frac{213}{84}\right)$$

$$\left(\frac{3}{4}\right)$$

12a.

$$\frac{3}{15} \frac{6}{90}$$

$$0.15(-0.6)$$

$$\left(-0.090\right)$$

12b.

$$-4.2 \div 12$$

$$\begin{array}{r} 0.35 \\ 12 \overline{) 4.20} \\ \underline{36} \\ 60 \end{array}$$

-0.35

13

 $\frac{1}{5}$ to fill tank

$$\frac{1}{5} \cdot \frac{13.5}{1} \quad 5 \overline{) 13.5}$$

2.7 gallons

14

$$\begin{array}{r} 1 \text{ } 13 \\ 12.89 \\ - 4.75 \\ \hline 7.84 \end{array}$$

\$7.84

15

Area

$$10 \frac{1}{6} * 5 \frac{1}{3}$$

$$\frac{61}{36} * \frac{168}{3} = \frac{488}{9}$$

$$\begin{array}{r} 54 \\ 9 \overline{) 488} \\ \underline{45} \\ 38 \\ \underline{36} \\ 2 \end{array}$$

54 $\frac{2}{9}$ in²

15

Perimeter

$$2(10 \frac{1}{6}) + 2(5 \frac{2}{6})$$

$$20 \frac{2}{6} + 10 \frac{4}{6}$$

31 in

16

$$63 \div 4.5$$

$$\begin{array}{r} 14 \\ 45 \overline{) 630} \\ \underline{45} \\ 180 \\ \underline{180} \\ 0 \end{array}$$

14