

p. 122

Sept 16

$$53. \quad \frac{2}{9} \\ = 0.\overline{2}$$

$$55. \quad \frac{1}{6} \\ = -0.\overline{16}$$

Period $\rightarrow 2$

Length $\rightarrow 1$

Period $\rightarrow 6$

Length $\rightarrow 1$

59

$>$ greater than or $<$ less than

$$\frac{1}{2} < \frac{3}{4}$$

or $=$ equal

60.

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

$$\frac{3 \times 3}{4 \times 3}$$

$$\frac{8}{12} > \frac{9}{12}$$

$$65. \quad 0.3 \quad 0.\overline{3}$$

$$66. \quad \cancel{\$} 0.30 < \cancel{\$} 0.333$$

$$67. \quad 1.21 = \frac{21}{100}$$

$$69. \quad -\frac{7}{8} = -0.875$$

P. 128 Multiplying + Dividing Rational Numbers

$$\begin{aligned} 1. & -8\frac{1}{2} \times \left(-1\frac{1}{4}\right) \\ = & -\frac{17}{2} \times -\frac{5}{4} \\ = & \frac{85}{8} \end{aligned}$$

$$2. -6\frac{2}{3} \times 3\frac{1}{2}$$

$$= \frac{-20}{3} \times \frac{7}{2} =$$

$$= \frac{140}{3} \div 2 = -70$$

$$= \frac{6}{3} = 2$$

$$3 \quad 3\frac{1}{5} \times \left(-2\frac{5}{6}\right)$$

$$= \frac{16}{\cancel{25}} \times \left(-\frac{17}{6}\right)$$

$$= \frac{-272}{30} = \frac{-2}{3}$$

$$= \frac{136}{15}$$

$$4. \quad -4.9 \times 2.2 \\ = -10.78$$

$$\textcircled{8} \quad -\frac{2}{7} \times -\frac{7}{2}$$

$$= \frac{14}{14}$$

$$5. \quad -5.6 \times (-7.8) \\ = 43.68$$

$$= 1$$

$$6. \quad 3.4 \times (-9.7) \\ = -32.98$$

On boards

10, 13, 15, 22

P. 13a Dividing Rational Numbers

17. $3\frac{1}{2} \div 2\frac{1}{4}$

$$= \frac{7}{2} \div \frac{9}{4}$$

$$= \frac{7}{2} \times \frac{4}{9}$$

$$\frac{28}{9}$$

$$\begin{array}{r} 28 \\ 18 \overline{) 28} \\ \underline{-14} \\ 9 \end{array}$$

to divide,
multiply by
the
reciprocal

18.

$$-4\frac{1}{4} \div \frac{7}{8}$$

$$= -\frac{17}{4} \div \frac{15}{8}$$

$$= -\frac{17}{4} \times \frac{8}{15}$$

$$= -\frac{136}{15}$$

$$= -\frac{68}{30}$$

$$= -\frac{34}{15}$$

$$p. 122 \quad 49 \rightarrow 74/$$

$$p. 128 \rightarrow 21/$$

$$p. 132 \rightarrow 32/$$