

Chapter 3 Review Questions

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

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

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

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

$$\frac{18}{25} \div \frac{3}{5}$$

Solutions

$$\begin{aligned}\frac{1}{2} + \frac{2}{3} &= \frac{3}{6} + \frac{4}{6} \\ &= \frac{7}{6} \\ &= 1\frac{1}{6}\end{aligned}$$

$$\begin{aligned}2\frac{1}{4} - 3\frac{1}{3} &= \frac{9}{4} - \frac{10}{3} \\ &= \frac{27}{12} - \frac{40}{12} \\ &= -\frac{13}{12} \\ &= -1\frac{1}{12}\end{aligned}$$

$$\begin{aligned}6 - \frac{2}{5} &= 5\frac{5}{5} - \frac{2}{5} \\ &= 5\frac{3}{5}\end{aligned}$$

$$2\frac{2}{3} \times \frac{1}{4} = \frac{8}{3} \times \frac{1}{4}$$
$$= \frac{8}{12}$$
$$= \frac{2}{3}$$

$$\frac{18}{25} \div \frac{3}{5} = \frac{18}{25} \times \frac{5}{3}$$
$$= \frac{6}{5}$$
$$= 1\frac{1}{5}$$

$$2\frac{8}{3} \times \frac{1}{4}$$
$$= \frac{2}{3}$$

Worksheet #2

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

$$\left(\frac{2}{3}\right)^2 \times \left(\frac{5}{6} \div \frac{2}{5} - \frac{1}{4}\right)$$

$$\left(\left(-\frac{3}{5} \right) \times \left(\frac{1}{2} \right)^2 \right) \div \left(\left(-\frac{1}{8} \right) + \frac{3}{5} \right)$$

$$\left(\left(-\frac{1}{5} \right)^2 - \frac{2}{5} + \frac{1}{5} \right) \times \left(-\frac{7}{8} \right)$$

UNIT 3 - TEST PREPARATION:

Page 143: Study Guide (Unit 3)

Page 144: #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and 12

Page 145: #14, 19, 21, 22, and 23

Page 146: ALL!