

Name \_\_\_\_\_

**Key**

Date \_\_\_\_\_

## Unit 8 Study Guide

1.)  $3\frac{1}{8} + 1\frac{2}{3} =$

$$\begin{array}{r} 3\frac{1}{8} + 1\frac{2}{3} \\ \underline{+ 1\frac{2}{3} \frac{16}{24}} \\ 4\frac{19}{24} \end{array}$$

2.)  $2\frac{3}{10} + \frac{2}{5} =$

$$\begin{array}{r} 2\frac{3}{10} + \frac{2}{5} \\ \underline{+ \frac{4}{10}} \\ 2\frac{7}{10} \end{array}$$

3.)  $5\frac{2}{4} + 2\frac{4}{7} =$

$$\begin{array}{r} 5\frac{2}{4} + 2\frac{4}{7} \\ \underline{+ 2\frac{4}{7} \frac{16}{28}} \\ 7\frac{30}{28} \end{array}$$

$$8\frac{2}{26}$$

4.)  $2\frac{3}{5} - 1\frac{3}{4} =$

$$\begin{array}{r} 2\frac{3}{5} - 1\frac{3}{4} \\ \underline{1\frac{3}{5} \frac{12}{20} - 1\frac{3}{4} \frac{15}{20}} \\ 1\frac{17}{20} \end{array}$$

5.)  $4\frac{5}{6} - \frac{1}{2} =$

$$\begin{array}{r} 4\frac{5}{6} - \frac{1}{2} \\ \underline{- \frac{3}{6}} \\ 4\frac{2}{6} = 4\frac{1}{3} \end{array}$$

6.)  $3 - \frac{7}{8} =$

$$\begin{array}{r} 3 - \frac{7}{8} \\ \underline{- \frac{7}{8}} \\ 2\frac{1}{8} \end{array}$$

7.)  $8 * \frac{1}{4} =$

$$\begin{array}{r} 8 * \frac{1}{4} \\ \hline 2 \end{array}$$

8.)  $\frac{5}{9} * \frac{2}{3} =$

$$\frac{5}{9} * \frac{2}{3} = \frac{10}{27}$$

9.)  $\frac{2}{10}$  of  $\frac{2}{8} =$

$$\frac{2}{10} \text{ of } \frac{2}{8} = \frac{4}{80} = \frac{1}{20}$$

10.)  $\frac{3}{4}$  of 36 = ~~27~~ 27

11.)  $\frac{2}{5}$  of 40 = 16

12.)  $\frac{3}{7}$  of ~~35~~ 35 = 15

13.) 5% of 80 = 4

14.) 20% of 50 = 10

15.) 94% of 25 = 23.50

$$\begin{array}{r} 25 \\ \times 94 \\ \hline 100 \\ 2250 \\ \hline 2350 \end{array}$$

16.) In a parking lot,  $\frac{2}{9}$  of the cars are blue. If there are 54 cars in the parking lot, how many are NOT blue?

$$\frac{2}{9} \text{ of } 54 = 12$$

$$\begin{array}{r} 54 \\ - 12 \\ \hline 42 \end{array}$$

17.) Early Saturday morning, the temperature in Chicago was  $-12^{\circ}\text{F}$ . By late in the afternoon, the temperature was measured to be  $13^{\circ}\text{F}$ . How many degrees did the temperature increase during the day?

$$25^{\circ}\text{F}$$

18.) A backpack that normally costs \$44 is on sale for 25% off. What is its sale price?

$$44 - 11 = 33.00$$

19.)  $(-25) - 8 = -33$

20.)  $12 + (-4) = 8$

21.)  $15 - 37 = -22$