

Unit 3 Quiz (Sections 3-1,3-2,3-3) Review

Short Answer

Find the sum or difference.

Find the sum.

$$1. \frac{2}{5} + \frac{3}{5} = \frac{5}{5} = \textcircled{1}$$

$$3. 5\frac{7}{9} + 2\frac{1}{3}$$

$$5\frac{7}{9} + 2\frac{3}{9} = 7\frac{\textcircled{10}}{9} 1\frac{1}{9}$$

$$\textcircled{8\frac{1}{9}}$$

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

$$-\frac{9}{12} + \frac{2}{12} = \textcircled{-\frac{7}{12}}$$

$$4. 9\frac{1}{3} - 7\frac{1}{3}$$

$$\frac{28}{3} - \frac{22}{3} = \frac{6}{3} = \textcircled{2}$$

$$5. \frac{2}{3} - \frac{5}{10}$$

$$\frac{20}{30} - \frac{15}{30} = \frac{5}{30} = \textcircled{\frac{1}{6}}$$

6.  $7\frac{5}{8} - 3\frac{3}{4}$

$$\frac{61}{8} - \frac{15}{4}$$

$$\frac{61}{8} - \frac{30}{8} = \frac{31}{8} \quad \left(3\frac{7}{8}\right)$$

7. A bread recipe calls for  $\frac{2}{3}$  cup of white flour and  $2\frac{1}{2}$  cups of whole wheat flour. What is the total amount of flour needed?

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

$$\frac{4}{6} + 2\frac{3}{6} = 2\frac{7}{6} \quad 1\frac{1}{6}$$

$3\frac{1}{6}$  cups of flour

8. Mary has  $9\frac{1}{3}$  yd of material. Her new skirt will take  $2\frac{1}{3}$  yd. How much material will she have left after the skirt is made?

$$9\frac{1}{3} - 2\frac{1}{3}$$

$$\frac{28}{3} - \frac{7}{3} = \frac{21}{3}$$

7 yds

9.  $-\frac{3}{4} + \frac{4}{8}$

$$-\frac{6}{8} + \frac{4}{8} = -\frac{2}{8} \quad \left(-\frac{1}{4}\right)$$

10.  $5 - 3\frac{3}{11}$

$$5\frac{11}{11} - 3\frac{3}{11}$$

$$2\frac{8}{11}$$

11.  $-1\frac{5}{8} + (+4\frac{3}{8})$

$$-\frac{13}{8} + \frac{35}{8} = \frac{22}{8} \quad 2\frac{6}{8}$$

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