Lesson 3.6   Subtracting Mixed Numbers
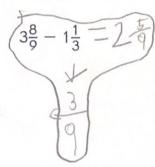
Subtract. Express each difference in simplest form.

1. $3\frac{8}{9} - 1\frac{1}{3} = 2\frac{5}{9}$

   $\downarrow$

   $\frac{3}{9}$

2. $5\frac{5}{6} - 4\frac{7}{12} = 1\frac{3}{12} = 1\frac{1}{4}$

   $\downarrow$

   $\frac{10}{12}$

3. $4\frac{1}{4} - 1\frac{9}{10} = 2\frac{7}{20}$

   $\downarrow$ $\downarrow$

   $\frac{5}{20}$ $\frac{18}{20}$

   $+\frac{20}{20}$

   $\frac{25}{20}$

4. $6\frac{1}{8} - 1\frac{11}{12} = 4\frac{5}{24}$

   $\downarrow$ $\downarrow$

   $\frac{3}{24}$ $\frac{22}{24}$

   $\frac{3}{24} + \frac{24}{24} = \frac{27}{24}$

5. $2\frac{1}{3} - 1\frac{5}{7} = \frac{13}{21}$

   $\downarrow$ $\downarrow$

   $\frac{7}{21}$ $\frac{15}{21}$

   $+\frac{21}{21}$

   $\frac{28}{21}$

6. $4\frac{2}{9} - 2\frac{5}{6} = 1\frac{7}{18}$

   $\downarrow$ $\downarrow$

   $\frac{4}{18}$ $\frac{15}{18}$

   $+\frac{18}{18}$

   $\frac{22}{18}$

Name: LOZ   Date: 10-27-20

Estimate each difference by rounding to the nearest half or whole number.

7. $3\frac{1}{2} - 1\frac{2}{3} = 2$

$\frac{9}{6}$

$3 \quad \frac{4}{6} \quad \frac{5}{6} =$
$6 \quad 61$

8. $10\frac{1}{2} - 5\frac{4}{5} = 4\frac{1}{2}$

$\frac{5}{10} \quad \frac{8}{10} \quad \frac{7}{10} =$

$\frac{10}{10} \quad \frac{15}{10} \quad \frac{1}{2}$

9. $7\frac{1}{6} - 6\frac{5}{8} = 1\frac{1}{2}$

$\frac{4}{24} \quad \frac{15}{24}$

$+\frac{24}{24} \quad \frac{13}{24} = \frac{1}{2}$

$\frac{28}{24}$

10. $3\frac{1}{2} - 1\frac{5}{9} = 2$

$1+1=2$

$9\frac{18}{18} \quad \frac{17}{18} = 1$

$\frac{18}{18} \quad 27 \quad \frac{10}{18} = 0$

$\frac{18}{18}$

11. $4\frac{3}{7} - 2\frac{1}{4} = 2\frac{14}{28}$

$\frac{21}{28} \quad \frac{7}{28}$

$= 2\frac{7}{14}$

$= 2\frac{1}{2}$

12. $5\frac{9}{10} - 4\frac{5}{11} =$

$\frac{49}{110} = \frac{1}{2}$

$\frac{99}{110} \quad \frac{50}{110}$