Grade 8 Unit 3 Fractions (day 2)

Sheet 173   Mixed & Improper Fractions

1) Convert each of the following improper fractions to a mixed fraction

   a. $\frac{9}{8}$ b) $\frac{14}{3}$ c) $\frac{15}{8}$ d) $\frac{21}{5}$ e) $\frac{21}{8}$ f) $\frac{13}{4}$ g) $\frac{33}{10}$ h. $\frac{103}{100}$

2) Write the mixed fraction as an improper fraction.

   a. $1\frac{1}{3}$ b. $3\frac{1}{4}$ c. $5\frac{1}{2}$ d. $2\frac{3}{10}$ e. $3\frac{7}{8}$ f. $2\frac{7}{6}$

   g. $1\frac{1}{100}$ h. 4

3) Write as a mixed fraction and reduce.

   a. $\frac{6}{4}$ b. $\frac{18}{12}$ c. $\frac{28}{8}$ d. $\frac{38}{10}$ e. $\frac{170}{100}$ f. $\frac{64}{6}$ g. $\frac{60}{15}$

   h. $\frac{138}{20}$

4) Express the following as improper fractions then convert to a mixed number.
   a. Tim played 55 quarters of football. How many games did he play?

   b. George played 10 periods of hockey. How many games id he play?

5) Reduce each fraction

   a. $\frac{230}{690}$ b. $\frac{345}{690}$ c. $\frac{460}{690}$ d. $\frac{805}{690}$

6) Reduce each fraction FIRST and if needed rewrite as a mixed fraction

   a. $\frac{30}{60}$ b. $\frac{20}{60}$ c. $\frac{45}{60}$ d. $\frac{75}{60}$ e. $\frac{90}{60}$ f. $\frac{140}{60}$