Date _____

1. Rewrite the following expressions as shown in the example.

Example:
$$\frac{2}{3} + \frac{2}{3} + \frac{2}{3} + \frac{2}{3} = \frac{4 \times 2}{3} = \frac{8}{3}$$

a.
$$\frac{5}{3} + \frac{5}{3} + \frac{5}{3}$$

b.
$$\frac{13}{5} + \frac{13}{5}$$

c.
$$\frac{9}{4} + \frac{9}{4} + \frac{9}{4}$$

2. Solve each problem in two different ways as modeled in the example.

Example:
$$\frac{2}{3} \times 6 = \frac{2 \times 6}{3} = \frac{12}{3} = 4$$
 $\frac{2}{3} \times 6 = \frac{2 \times \cancel{6}}{\cancel{3}} = 4$

$$\frac{2}{3} \times 6 = \frac{2 \times \cancel{6}}{\cancel{3}} = 4$$

a.
$$\frac{3}{4} \times 16$$

$$\frac{3}{4} \times 16$$

b.
$$\frac{4}{3} \times 12$$

$$\frac{4}{3}$$
 × 12

c.
$$40 \times \frac{11}{10}$$

$$40 \times \frac{11}{10}$$

d.
$$\frac{7}{6} \times 36$$

$$\frac{7}{6} \times 36$$

e.
$$24 \times \frac{5}{8}$$

$$24 \times \frac{5}{8}$$

f.
$$18 \times \frac{5}{12}$$

$$18 \times \frac{5}{12}$$

g.
$$\frac{10}{9} \times 21$$

$$\frac{10}{9} \times 21$$

3. Solve each problem any way you choose.

a.
$$\frac{1}{3} \times 60$$

$$\frac{1}{3}$$
 minute = _____ seconds

b.
$$\frac{4}{5} \times 60$$

$$\frac{4}{5}$$
 hour = ____ minutes

c.
$$\frac{7}{10} \times 1000$$

$$\frac{7}{10}$$
 kilogram = _____ grams

d.
$$\frac{3}{5} \times 100$$

$$\frac{3}{5}$$
 meter = ____ centimeters

Lesson 8:

Relate a fraction of a set to the repeated addition interpretation of fraction multiplication.

