

Name \_\_\_\_\_

Date \_\_\_\_\_

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

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

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.

$$\text{Example: } \frac{2}{3} \times 6 = \frac{2 \times 6}{3} = \frac{12}{3} = 4 \qquad \frac{2}{3} \times 6 = \frac{2 \times \cancel{6}^2}{\cancel{3}_1} = 4$$

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

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

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

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

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