Name: _____

1. Write the following fractions in their simplest form.

(a) $\frac{24}{56}$ (b) $\frac{18}{33}$ (c) $\frac{28}{63}$ (d) $\frac{72}{96}$

2. Complete the following equivalent fractions.

$$\frac{3}{4} = \frac{9}{\square} = \frac{\square}{20} = \frac{42}{\square} = \frac{\square}{72}$$

3. Change the following fractions to have the same denominator.

$\frac{3}{4}$ $\square$ $\frac{7}{12}$ $\square$ $\frac{5}{8}$ $\square$

4. Write the first quantity as a fraction of the second and write in its simplest form.

(a) 50 cm : 3 m $\square$ (b) 60c : $4.50 $\square$

5. Change $3\frac{5}{9}$ to an improper fraction.

6. Change $\frac{43}{6}$ to a mixed number.

7. Find the following amounts.

(a) $\frac{5}{6}$ of 24 m   (b) $\frac{3}{4}$ of 456 kg   (c) $\frac{5}{8}$ of $640

8. Fran won $75 000. She gave one third to her mother, one fifth to her sister and kept the rest.
(a) What fraction of her winnings did Fran keep?

(b) How much did Fran keep?

9. Solve the following problems. Write answers as mixed numbers in their simplest form.

(a) $\frac{3}{11} + \frac{5}{11}$ (b) $\frac{1}{5} + \frac{3}{10}$ (c) $\frac{11}{12} - \frac{1}{3}$

(d) $\frac{3}{7} + \frac{3}{8}$ (e) $\frac{8}{9} - \frac{2}{5}$ (f) $\frac{2}{5} + \frac{3}{4} - \frac{2}{3}$

(g) $2\frac{3}{4} + 3\frac{4}{5}$ (h) $5\frac{3}{8} - 2\frac{7}{12}$

(i) $\frac{3}{5} \times \frac{4}{7}$ (j) $\frac{8}{9} \times \frac{3}{10}$ (k) $\frac{3}{13}$ of 2

(l) $\frac{9}{14} \div \frac{3}{7}$ (m) $\frac{8}{15} \div \frac{4}{45}$ (n) $\frac{10}{13} \div 5$

(o) $1\frac{11}{16} \div 4\frac{1}{2}$