Name: _____

1. What fraction of these figures is shaded?

(a)

(b)
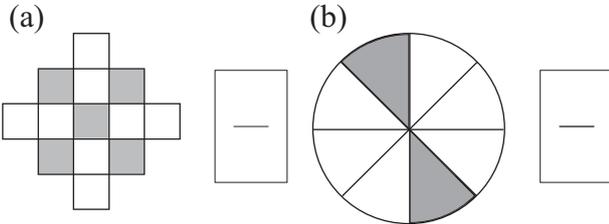
2. Write the following fractions in their simplest form.

(a) $\frac{12}{18}$ (b) $\frac{15}{55}$ (c) $\frac{36}{48}$ (d) $\frac{45}{72}$

3. Complete the following equivalent fractions.

(a) $\frac{3}{5} = \frac{\square}{15} = \frac{\square}{40} = \frac{27}{\square}$

(b) $\frac{6}{7} = \frac{\square}{21} = \frac{54}{\square} = \frac{\square}{91}$

4. Change the following fractions to have the same denominator and hence arrange them in order from the smallest to the largest.

$\frac{2}{3}$ $\frac{5}{8}$ $\frac{7}{12}$

5. (a) Change $7\frac{3}{8}$ to an improper fraction.

(b) Change $\frac{88}{9}$ to a mixed number.

6. Write the first quantity as a fraction of the second in its simplest form.

(a) 20 cm : 1 m

(b) 20 seconds : 1 minute

(c) 80 cents : $4

7. Evaluate the following without using a calculator.

(a) $\frac{3}{11} + \frac{5}{11}$ (b) $\frac{5}{7} - \frac{4}{7}$

(c) $\frac{2}{3} + \frac{2}{7}$ (d) $\frac{3}{4} - \frac{2}{5}$

(e) $2\frac{2}{3} + 3\frac{3}{4}$ (f) $3\frac{4}{7} - 1\frac{5}{8}$

(g) $\frac{6}{7} \times \frac{5}{12}$ (h) $2\frac{7}{10} \times 4\frac{4}{9}$

(i) $\frac{6}{7} \div \frac{2}{21}$ (j) $2\frac{2}{3} \div 3\frac{5}{9}$