



Investigate equivalent fractions

Name: _____

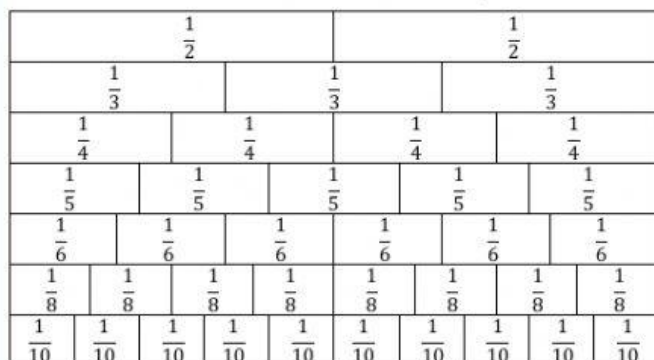
Date: _____

Fractions and Decimals

Investigate equivalent fractions used in contexts (VCMNA157)

Understanding

1. Use the fraction wall to work out the equivalent fractions.



- a) $\frac{1}{2} = \frac{\quad}{4} = \frac{\quad}{6} = \frac{\quad}{8}$
- b) $\frac{1}{3} = \frac{\quad}{6}$
- c) $\frac{4}{10} = \frac{\quad}{5}$
- d) $\frac{4}{5} = \frac{\quad}{10}$
- e) $\frac{3}{4} = \frac{\quad}{8}$

Fluency

1. Work out the missing equivalent fraction.

- a) $\frac{10}{20} = \frac{\quad}{10}$ f) $\frac{10}{25} = \frac{\quad}{5}$ k) $\frac{4}{16} = \frac{\quad}{4}$ p) $\frac{1}{2} = \frac{15}{\quad}$
- b) $\frac{8}{12} = \frac{\quad}{6}$ g) $\frac{6}{10} = \frac{\quad}{5}$ l) $\frac{14}{21} = \frac{\quad}{3}$ q) $\frac{3}{4} = \frac{60}{\quad}$
- c) $\frac{3}{15} = \frac{\quad}{5}$ h) $\frac{8}{24} = \frac{\quad}{12}$ m) $\frac{2}{9} = \frac{\quad}{27}$ r) $\frac{3}{7} = \frac{24}{\quad}$
- d) $\frac{7}{14} = \frac{\quad}{2}$ i) $\frac{5}{30} = \frac{\quad}{6}$ n) $\frac{1}{3} = \frac{\quad}{36}$ s) $\frac{5}{6} = \frac{15}{\quad}$
- e) $\frac{6}{18} = \frac{\quad}{3}$ j) $\frac{20}{35} = \frac{\quad}{7}$ o) $\frac{4}{5} = \frac{\quad}{40}$ t) $\frac{1}{12} = \frac{4}{\quad}$

Problem Solving

1. Write each fraction in its simplest form.

- a) $\frac{5}{20} = \frac{\quad}{\quad}$ d) $\frac{4}{22} = \frac{\quad}{\quad}$ g) $\frac{10}{18} = \frac{\quad}{\quad}$ j) $\frac{6}{8} = \frac{\quad}{\quad}$
- b) $\frac{6}{12} = \frac{\quad}{\quad}$ e) $\frac{10}{32} = \frac{\quad}{\quad}$ h) $\frac{16}{40} = \frac{\quad}{\quad}$ k) $\frac{9}{27} = \frac{\quad}{\quad}$
- c) $\frac{14}{21} = \frac{\quad}{\quad}$ f) $\frac{10}{25} = \frac{\quad}{\quad}$ i) $\frac{14}{36} = \frac{\quad}{\quad}$ l) $\frac{3}{15} = \frac{\quad}{\quad}$

Reasoning

1. Prove the statement by drawing each fraction.

$$\frac{3}{5} \text{ is larger than } \frac{4}{8}$$

2. Prove the statement by drawing each fraction.

$$\frac{4}{6} < \frac{3}{4}$$