



Investigate equivalent fractions

Name: _____

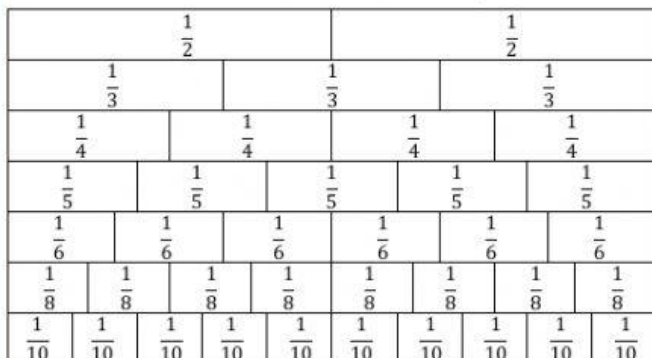
Date: _____

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.

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|---------------------------------------|--------------------------------------|--------------------------------------|-------------------------------------|
| 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.

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|--|--|--|---|
| 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.

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