EssentialAssessment
Victorian Curriculum Resource Generator

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.

$\frac{1}{2}$		$\frac{1}{2}$				
$\frac{1}{3}$		$\frac{1}{3}$		$\frac{1}{3}$		
$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$		$\frac{1}{4}$
$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$		$\frac{1}{5}$
$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$		$\frac{1}{6}$
$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$		$\frac{1}{8}$
$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$		$\frac{1}{10}$

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) $\frac{10}{20} = \frac{\quad}{10}$

b) $\frac{8}{12} = \frac{\quad}{6}$

c) $\frac{3}{15} = \frac{\quad}{5}$

d) $\frac{7}{14} = \frac{\quad}{2}$

e) $\frac{6}{18} = \frac{\quad}{3}$

f) $\frac{10}{25} = \frac{\quad}{5}$

g) $\frac{6}{10} = \frac{\quad}{5}$

h) $\frac{8}{24} = \frac{\quad}{12}$

i) $\frac{5}{30} = \frac{\quad}{6}$

j) $\frac{20}{35} = \frac{\quad}{7}$

k) $\frac{4}{16} = \frac{\quad}{4}$

l) $\frac{14}{21} = \frac{\quad}{3}$

m) $\frac{2}{9} = \frac{\quad}{27}$

n) $\frac{1}{3} = \frac{\quad}{36}$

o) $\frac{4}{5} = \frac{\quad}{40}$

p) $\frac{1}{2} = \frac{15}{\quad}$

q) $\frac{3}{4} = \frac{60}{\quad}$

r) $\frac{3}{7} = \frac{24}{\quad}$

s) $\frac{5}{6} = \frac{15}{\quad}$

t) $\frac{1}{12} = \frac{4}{\quad}$

Problem Solving

1. Write each fraction in its simplest form.

a) $\frac{5}{20} = \frac{\quad}{\quad}$

b) $\frac{6}{12} = \frac{\quad}{\quad}$

c) $\frac{14}{21} = \frac{\quad}{\quad}$

d) $\frac{4}{22} = \frac{\quad}{\quad}$

e) $\frac{10}{32} = \frac{\quad}{\quad}$

f) $\frac{10}{25} = \frac{\quad}{\quad}$

g) $\frac{10}{18} = \frac{\quad}{\quad}$

h) $\frac{16}{40} = \frac{\quad}{\quad}$

i) $\frac{14}{36} = \frac{\quad}{\quad}$

j) $\frac{6}{8} = \frac{\quad}{\quad}$

k) $\frac{9}{27} = \frac{\quad}{\quad}$

l) $\frac{3}{15} = \frac{\quad}{\quad}$

Reasoning

1. Prove the statement by drawing each fraction.

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

2. Prove the statement by drawing each fraction.

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