

Activity 1

$$a) \frac{3}{6} = \frac{1}{2}$$

$$\frac{5}{15} = \frac{1}{3}$$

$$\frac{2}{8} = \frac{1}{4}$$

$$\frac{4}{16} = \frac{1}{4}$$

$$\frac{8}{16} = \frac{4}{8} = \frac{2}{4} = \frac{1}{2}$$

$$\frac{5}{20} = \frac{1}{4}$$

$$\frac{8}{12} = \frac{2}{3}$$

$$\frac{15}{21} = \frac{5}{7}$$

$$b) \frac{3}{6} = \frac{1}{2}$$

$$\frac{7}{14} = \frac{1}{2}$$

$$\frac{5}{12}$$

$$\frac{4}{20} = \frac{1}{5}$$

$$\frac{7}{13}$$

Activity 2

a) $3\frac{3}{5}$

$2\frac{4}{5}$

$4\frac{1}{4}$

$5\frac{1}{4}$

$5\frac{3}{6}$

$6\frac{5}{6}$

$2\frac{3}{7}$

$5\frac{4}{7}$

b) $\frac{8}{5}$

$\frac{14}{3}$

$\frac{41}{7}$

$\frac{28}{3}$

$\frac{23}{7}$

$\frac{91}{10}$

$\frac{35}{4}$

$\frac{23}{3}$

Activity 3

a) $\frac{6}{4} / \frac{2}{4} / \frac{1}{2}$

f) $\frac{31}{20} / \frac{11}{20}$

b) $\frac{12}{5} / 2\frac{2}{5}$

g) $\frac{15}{12} / \frac{3}{12}$

c) $\frac{18}{10} / \frac{8}{10}$

h) $\frac{11}{9} / \frac{2}{9}$

d) $\frac{16}{12} / \frac{4}{12}$

Ext / challenge

$$\frac{5}{16} + \frac{5}{8} = \frac{15}{16}$$

e) $\frac{13}{10} / \frac{3}{10}$

$$\frac{3}{20} + \frac{7}{10} = \frac{17}{20}$$

Activity 4

$$a) \frac{8}{10} / \frac{4}{5}$$

$$f) \frac{28}{45}$$

$$b) \frac{2}{8} / \frac{1}{4}$$

$$g) \frac{3}{6} / \frac{1}{2}$$

$$c) \frac{13}{20}$$

$$h) \frac{4}{15}$$

$$d) \frac{5}{9}$$

Ext/Challenge

Any as long as there is reasonable justification!

$$e) \frac{9}{24} / \frac{3}{8}$$

Activity 5

$$a) \frac{15}{4} / 3\frac{3}{4}$$

$$b) \frac{20}{7} / 2\frac{6}{7}$$

$$c) \frac{8}{5} / 1\frac{3}{5}$$

$$d) \frac{27}{5} / 5\frac{2}{5}$$

$$e) \frac{8}{7} / 1\frac{1}{7}$$

$$f) \frac{56}{10} / 5\frac{6}{10}$$

$$g) \frac{30}{8} / 3\frac{6}{8}$$

$$h) \frac{24}{7} / 3\frac{3}{7}$$

$$i) \frac{24}{3} / 8$$

$$j) \frac{64}{5} / 12\frac{4}{5}$$

Ext/challenge

$$\boxed{2} \times \frac{\boxed{3}}{\boxed{4}} = \frac{\boxed{9}}{\boxed{6}}$$

$$\boxed{2} \times \frac{\boxed{1}}{\boxed{3}} = \frac{\boxed{4}}{\boxed{6}} \quad \text{OR} \quad \boxed{2} \times \frac{\boxed{1}}{\boxed{4}} = \frac{\boxed{3}}{\boxed{6}}$$