

### Activité 3

$$\text{a. } \frac{5}{2} = \frac{5 \times 2}{2 \times 2} = \frac{10}{4} = \frac{10 \times 2}{4 \times 2} = \frac{20}{8}$$

$$\text{Donc } \frac{5}{2} = \frac{10}{4} = \frac{20}{8}.$$

$$\text{b. } \bullet \frac{3}{2} = \frac{6}{4} = \frac{12}{8} \quad \bullet \frac{14}{8} = \frac{14 : 2}{8 : 2} = \frac{7}{4}$$

$$\bullet \frac{24}{8} = \frac{12}{4} = \frac{6}{2} = 3$$

$$\text{14 a. } \frac{2}{5} = \frac{2 \times 3}{5 \times 3} = \frac{6}{15}$$

$$\text{b. } \frac{3}{7} = \frac{3 \times 2}{7 \times 2} = \frac{6}{14}$$

$$\text{c. } \frac{15}{20} = \frac{15 : 5}{20 : 5} = \frac{3}{4}$$

$$\text{d. } \frac{50}{40} = \frac{50 : 10}{40 : 10} = \frac{5}{4}$$

$$\text{43 a. } \frac{6}{8} = \frac{6 : 2}{8 : 2} = \frac{3}{4}$$

$$\text{b. } \frac{10}{25} = \frac{10 : 5}{25 : 5} = \frac{2}{5}$$

$$\text{c. } \frac{9}{12} = \frac{9 : 3}{12 : 3} = \frac{3}{4}$$

$$\text{d. } \frac{42}{14} = \frac{42 : 14}{14 : 14} = \frac{3}{1} = 3$$

$$\text{44 a. } \frac{8}{5} = \frac{72}{45}$$

$$\text{b. } \frac{2}{3} = \frac{10}{15}$$

$$\text{c. } \frac{1}{6} = \frac{3}{18}$$

$$\text{d. } \frac{8}{12} = \frac{2}{3}$$

$$\text{e. } \frac{6}{10} = \frac{3}{5}$$

$$\text{f. } \frac{12}{27} = \frac{4}{9}$$

$$\text{47 } \frac{80}{100} = \frac{80 : 20}{100 : 20} = \frac{4}{5}$$

$$0,8 = \frac{8}{10} = \frac{8 : 2}{10 : 2} = \frac{4}{5}$$

$$\text{50 a. } \frac{14}{36} = \frac{14:2}{36:2} = \frac{7}{18}$$

$$\text{b. } \frac{72}{26} = \frac{72:2}{26:2} = \frac{36}{13}$$

$$\text{c. } \frac{244}{104} = \frac{244:2}{104:2} = \frac{122}{52} = \frac{122:2}{52:2} = \frac{61}{26}$$

$$\text{51 a. } \frac{105}{80} = \frac{105:5}{80:5} = \frac{21}{16}$$

$$\text{b. } \frac{40}{25} = \frac{40:5}{25:5} = \frac{8}{5}$$

$$\text{c. } \frac{75}{100} = \frac{75:5}{100:5} = \frac{25}{20} = \frac{25:5}{20:5} = \frac{5}{4}$$

$$\text{52 a. } \frac{66}{87} = \frac{66:3}{87:3} = \frac{22}{29}$$

$$\text{b. } \frac{72}{90} = \frac{72:9}{90:9} = \frac{8}{10}$$

$$\text{c. } \frac{108}{27} = \frac{108:9}{27:9} = \frac{12}{3} = \frac{12:3}{3:3} = \frac{4}{1} = 4$$

$$\text{53 a. } \frac{30}{42} = \frac{30:2}{42:2} = \frac{15}{21} \text{ et } \frac{30}{42} = \frac{30:3}{42:3} = \frac{10}{14}. \text{ Donc}$$

Tourmain et Céline ont raison.

$$\text{b. } \frac{30}{42} = \frac{30:6}{42:6} = \frac{5}{7}$$

$$\text{54 a. } \frac{153}{117} = \frac{17 \times 9}{9 \times 13} = \frac{17}{13}$$

$$\text{b. } \frac{117}{221} = \frac{9 \times 13}{17 \times 13} = \frac{9}{17}$$

$$\text{c. } \frac{153}{221} = \frac{17 \times 9}{17 \times 13} = \frac{9}{13}$$