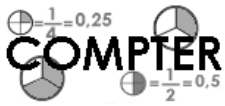


Prénom : .....

Date : .....



# NUMÉRATION

Les fractions (09)

1./ Complète les égalités suivant les exemples :

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

$$\frac{4}{6} = \frac{8}{12}$$

$$\frac{3}{4} = \frac{30}{40}$$

$$\frac{5}{2} = \frac{10}{4}$$

$$\frac{1}{4} = \frac{3}{12}$$

$$\frac{3}{5} = \frac{9}{15}$$

$$\frac{1}{8} = \frac{4}{32}$$

$$\frac{3}{4} = \frac{15}{20}$$

$$\frac{3}{4} = \frac{6}{8}$$

$$\frac{8}{3} = \frac{64}{24}$$

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

$$3 = \frac{9}{3}$$

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

$$\frac{12}{9} = \frac{4}{3}$$

$$\frac{5}{25} = \frac{1}{5}$$

$$\frac{81}{60} = \frac{27}{20}$$

$$\frac{15}{20} = \frac{3}{4}$$

$$\frac{18}{6} = \frac{9}{3}$$

$$\frac{16}{20} = \frac{4}{5}$$

$$\frac{15}{45} = \frac{5}{15}$$

$$\frac{3}{9} = \frac{1}{3}$$

$$\frac{25}{15} = \frac{5}{3}$$

$$\frac{36}{6} = \frac{12}{2}$$

$$\frac{28}{64} = \frac{7}{16}$$

2./ Simplifie le plus possible les fractions suivantes :

**Exemple :**

$$\frac{160}{240} = \frac{2 \times 80}{2 \times 120} = \frac{80}{120} = \frac{2 \times 40}{2 \times 60} = \frac{40}{60} = \frac{2 \times 20}{2 \times 30} = \frac{20}{30} = \frac{2 \times 10}{2 \times 15} = \frac{10}{15} = \frac{5 \times 2}{5 \times 3} = \frac{2}{3}$$

**Remarque :**

$$\frac{160}{240} = \frac{2 \times 2 \times 2 \times 2 \times 5 \times 2}{2 \times 2 \times 2 \times 2 \times 5 \times 3} = \frac{80 \times 2}{80 \times 3} = \frac{2}{3}$$

$$\frac{125}{50} = \frac{5 \times 25}{5 \times 10} = \frac{25}{10} = \frac{5 \times 5}{5 \times 2} = \frac{5}{2}$$

$$\frac{144}{36} = \frac{2 \times 72}{2 \times 18} = \frac{72}{18} = \frac{9 \times 8}{9 \times 2} = \frac{8}{2} = \frac{2 \times 4}{2 \times 1} = 4$$

$$\frac{120}{168} = \frac{2 \times 60}{2 \times 84} = \frac{60}{84} = \frac{2 \times 30}{2 \times 42} = \frac{30}{42} = \frac{2 \times 15}{2 \times 21} = \frac{15}{21} = \frac{3 \times 5}{3 \times 7} = \frac{5}{7}$$

$$\frac{162}{216} = \frac{2 \times 81}{2 \times 108} = \frac{81}{108} = \frac{3 \times 3 \times 3 \times 3}{3 \times 3 \times 3 \times 4} = \frac{3}{4}$$

$$\frac{75}{250} = \frac{5 \times 5 \times 3}{5 \times 5 \times 10} = \frac{3}{10}$$

$$\frac{234}{702} = \frac{2 \times 117}{2 \times 351} = \frac{117}{351} = \frac{3 \times 3 \times 13}{3 \times 3 \times 3 \times 13} = \frac{1}{3}$$