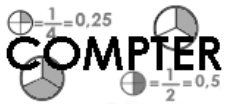


Prénom :

Date :



NUMÉRATION

Les fractions (10)

1./ Complète les égalités suivant les exemples :

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

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

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

$$\frac{5}{4} = \frac{30}{24}$$

$$\frac{4}{6} = \frac{20}{30}$$

$$\frac{9}{10} = \frac{90}{100}$$

$$\frac{1}{3} = \frac{6}{18}$$

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

$$\frac{3}{5} = \frac{27}{45}$$

$$\frac{2}{5} = \frac{12}{30}$$

$$\frac{2}{3} = \frac{10}{15}$$

$$\frac{3}{8} = \frac{15}{40}$$

$$\frac{40}{16} = \frac{5}{2}$$

$$\frac{12}{24} = \frac{3}{6}$$

$$\frac{33}{77} = \frac{3}{7}$$

$$\frac{40}{24} = \frac{5}{3}$$

$$\frac{36}{8} = \frac{9}{2}$$

$$\frac{56}{49} = \frac{8}{7}$$

$$\frac{56}{42} = \frac{4}{3}$$

$$\frac{21}{35} = \frac{3}{5}$$

$$\frac{8}{48} = \frac{1}{6}$$

$$\frac{24}{30} = \frac{4}{5}$$

$$5 = \frac{35}{7}$$

$$7 = \frac{21}{3}$$

2./ Range dans l'ordre croissant :

$$\frac{5}{10} - \frac{15}{1\ 000} - \frac{25}{100} - \frac{5}{1\ 000} - \frac{15}{10} - \frac{5}{100} - \frac{25}{1\ 000} - \frac{25}{10} - \frac{15}{100}$$

$$\frac{5}{1\ 000} - \frac{15}{1\ 000} - \frac{25}{1\ 000} - \frac{5}{100} - \frac{15}{100} - \frac{25}{100} - \frac{5}{10} - \frac{15}{10} - \frac{25}{10}$$

3./ Range dans l'ordre décroissant :

$$\frac{7}{2} - 2,5 - \frac{10}{5} - 1,5 - \frac{9}{3} - \frac{32}{8} - \frac{5}{10} - \frac{5}{5}$$

$$\frac{32}{8} - \frac{7}{2} - \frac{9}{3} - 2,5 - \frac{10}{5} - 1,5 - \frac{5}{5} - \frac{5}{10}$$

4./ Simplifie le plus possible les fractions suivantes :

$$\frac{120}{192} = \frac{2 \times 60}{2 \times 96} = \frac{60}{96} = \frac{2 \times 30}{2 \times 48} = \frac{30}{48} = \frac{2 \times 15}{2 \times 24} = \frac{15}{24} = \frac{3 \times 5}{3 \times 8} = \frac{5}{8}$$

$$\frac{192}{120} = \frac{2 \times 96}{2 \times 60} = \frac{96}{60} = \frac{2 \times 48}{2 \times 30} = \frac{48}{30} = \frac{2 \times 24}{2 \times 15} = \frac{24}{15} = \frac{3 \times 8}{3 \times 5} = \frac{8}{5}$$

$$\frac{375}{875} = \frac{5 \times 5 \times 5 \times 3}{5 \times 5 \times 5 \times 7} = \frac{3}{7}$$

$$\frac{840}{720} = \frac{2 \times 2 \times 2 \times 3 \times 5 \times 7}{2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 5} = \frac{7}{2 \times 3} = \frac{7}{6}$$