

Feuille d'exercices - Calculs sur les fractions - 5ème

Exercice I : Simplifier le plus possible

$\frac{28}{12} =$	$\frac{34}{22} =$	$\frac{25}{45} =$	$\frac{35}{63} =$	$\frac{24}{20} =$
$\frac{38}{42} =$	$\frac{15}{12} =$	$\frac{25}{100} =$	$\frac{55}{33} =$	$\frac{26}{39} =$
$\frac{60}{44} =$	$\frac{200}{70} =$	$\frac{18}{54} =$	$\frac{56}{40} =$	$\frac{27}{15} =$
$\frac{31}{93} =$	$\frac{57}{19} =$	$\frac{46}{74} =$	$\frac{91}{52} =$	$\frac{95}{76} =$

Exercice II : Calculer

$\frac{2}{7} + \frac{9}{7} =$	$\frac{2}{9} + \frac{8}{9} =$	$\frac{18}{5} - \frac{11}{5} =$	$\frac{12}{19} - \frac{1}{19} =$
$\frac{5}{16} + \frac{9}{4} =$	$\frac{7}{32} + \frac{5}{8} =$	$\frac{38}{5} - \frac{11}{25} =$	$\frac{2}{3} - \frac{7}{18} =$
$\frac{12}{5} + \frac{11}{20} =$	$\frac{13}{64} + \frac{3}{8} =$	$\frac{47}{54} - \frac{5}{9} =$	$\frac{6}{7} - \frac{13}{21} =$
$\frac{17}{36} + \frac{5}{9} =$	$\frac{9}{40} + \frac{2}{5} =$	$\frac{37}{45} - \frac{2}{5} =$	$\frac{53}{42} - \frac{6}{7} =$

Exercice III : Calculer

Exercice IV : Calculer et simplifier (il faut souvent mieux simplifier AVANT de calculer, quand c'est possible)

$\frac{2}{7} \times \frac{9}{5} =$	$\frac{12}{9} \times \frac{4}{7} =$	$\frac{1}{10} \times \frac{25}{3} =$	$\frac{16}{19} \times \frac{3}{8} =$
$\frac{24}{11} \times \frac{5}{6} =$	$\frac{13}{8} \times \frac{6}{26} =$	$\frac{36}{5} \times \frac{2}{18} =$	$\frac{52}{4} \times \frac{4}{48} =$
$\frac{2}{5} \times \frac{10}{6} \times \frac{9}{7} =$	$\frac{1}{3} \times \frac{3}{5} \times \frac{5}{7} \times \frac{7}{9} =$	$\frac{4}{15} \times \frac{6}{8} =$	$\frac{11}{12} \times \frac{25}{14} \times \frac{8}{22} \times \frac{3}{5} =$

Exercice V : Calculer, en suivant les priorités

$\frac{1}{2} + \frac{5}{3} \times \frac{1}{4} =$	$\frac{6}{7} \times \frac{14}{24} + \frac{3}{2} =$
$\frac{2}{5} + \frac{3}{10} - \frac{3}{4} \times \frac{1}{5} =$	
$\left(\frac{3}{7} + \frac{5}{14}\right) \times \left(\frac{3}{11} + \frac{1}{22}\right) =$	
$\frac{13}{4} - \left[\frac{5}{8} + \frac{3}{2} \times \frac{1}{8}\right] =$	