



Test 2	Nombres rationnels
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Exercice 1 Compléter :

	a)	b)	c)	d)	e)
écriture décimale :	1.4		$0.\overline{123}$		$0.\overline{7}$
fraction :		$\frac{5}{9}$		$\frac{1}{7}$	

Exercice 2 Calculer :

a) $\frac{1}{8} + \frac{5}{8} = \boxed{}$ b) $\frac{4}{3} - \frac{7}{4} = \boxed{}$ c) $\frac{5}{5} + 5 = \boxed{}$ d) $\frac{4}{5} + \frac{7}{5} - \frac{3}{5} = \boxed{}$
 e) $\frac{7}{4} - \frac{5}{6} = \boxed{}$ f) $\frac{4}{3} - 0.\overline{3} = \boxed{}$ g) $\frac{1}{2} + \frac{4}{7} = \boxed{}$ h) $1.4 + \frac{4}{3} + \frac{1}{6} = \boxed{}$

Exercice 3 Calculer :

a) $6 \div 0.5 = \boxed{}$ b) $\frac{2}{3} \cdot \frac{6}{4} = \boxed{}$ c) $0.\overline{3} \cdot 1.5 = \boxed{}$ d) $1.25 \cdot 4 = \boxed{}$
 e) $\frac{7}{10} \cdot \frac{1}{5} = \boxed{}$ f) $\frac{2}{5} \cdot \frac{3}{10} = \boxed{}$ g) $\frac{1}{10} \cdot \frac{1}{10} = \boxed{}$ h) $0.\overline{6} \cdot 1.5 = \boxed{}$

Exercice 4 Calculer :

a) $\frac{3}{8} \div \frac{1}{2} = \boxed{}$ b) $1.\overline{3} \div 0.75 = \boxed{}$ c) $-\frac{3}{5} \div \frac{2}{3} = \boxed{}$ d) $\frac{3}{4} \div 5 = \boxed{}$
 e) $-\frac{1}{3} \div \frac{5}{6} = \boxed{}$ f) $2 \div \frac{2}{9} = \boxed{}$ g) $1.\overline{3} \div 0.75 = \boxed{}$ h) $1.4 \div (-0.\overline{1}) = \boxed{}$

Exercice 5 Compléter :

a) $\frac{12}{9} = \frac{240}{\boxed{}} = \frac{\boxed{}}{72} = \frac{\boxed{}}{150} = \frac{\boxed{}}{3} = 1.\boxed{}$
 b) $1.2 = \frac{\boxed{}}{5} = \frac{\boxed{}}{60} = \frac{\boxed{}}{120} = \frac{120}{\boxed{}} = 1 + \frac{\boxed{}}{5}$
 c) $0.\overline{7} = \frac{\boxed{}}{90} = \frac{\boxed{}}{9} = \frac{\boxed{}}{36} = \frac{210}{\boxed{}} = \frac{\boxed{}}{108}$

Exercice 6 Calculer :

a) $\frac{1}{3} + \frac{1}{4} - \frac{1}{5} = \dots\dots\dots$ d) $-2 + \left(-\frac{1}{3}\right) \div \frac{5}{9} = \dots\dots\dots$
 b) $\left(3 + \frac{3}{2}\right) \div \left(2 - \frac{1}{4}\right) = \dots\dots\dots$ e) $\left(-\frac{2}{7}\right) \cdot \left(-\frac{7}{9}\right) \cdot \left(-\frac{9}{2}\right) = \dots\dots\dots$
 c) $-4 - \frac{1}{17} = \dots\dots\dots$ f) $\left(\frac{1}{8} - \frac{7}{12}\right) \cdot \left(\frac{3}{5} - \frac{2}{10}\right) = \dots\dots\dots$