priorité priorité

$$D = \left(\frac{8}{15} - \frac{7\times3}{5\times3}\right) \times \left(\frac{-1}{6} + \frac{2}{9}\right)$$

$$D = \left(\frac{8}{15} - \frac{21}{15}\right) \times \left(\frac{-1\times3}{6\times3} + \frac{2\times2}{9\times2}\right)$$

$$D = \frac{-13}{15} \times \left(\frac{-3}{18} + \frac{4}{18}\right)$$

$$D = \frac{-13}{15} \times \frac{1}{18}$$

$$D = -\frac{13\times1}{15\times18}$$

$$\boxed{D = -\frac{13}{270}}$$

ex 28 $\frac{4}{7}$ de $21€ = \frac{4}{7} \times 21€ = \frac{4\times21€}{7} = 12€$

ex 29 $\frac{7}{25}$ de $1\,500 = \frac{7}{25} \times 1500 = \frac{7\times1500}{25}$

$= \frac{7\times25\times60}{25}$

$= 420$

ex 30

a) $\frac{7}{10}$ d'1h $= \frac{7}{10} \times 60\,min = 42\,min$

b) $\frac{2}{5}$ d'1h $= \frac{2}{5} \times 60\,min = 24\,min$

c) $\frac{5}{6}$ d'1h $= \frac{5}{6} \times 60\,min = 50\,min$

d) $\frac{4}{15}$ d'1h $= \frac{4}{15} \times 60\,min = 16\,min$

ex 31 $\frac{13}{20}$ de $150g = \frac{13}{20} \times 150g = \frac{195}{2}g = 97{,}5g$

ex 37 a) $\frac{5}{2}$ b) $\frac{3}{-1} = -3$ c) $\frac{-6}{8} = -\frac{6}{8}$ d) $\frac{-4}{-5} = \frac{4}{5}$

e) $\frac{-1,2}{10} = -\frac{1,2}{10} = -0,12$

ex 38 a) $\frac{7}{3}$ b) $-\frac{1}{8}$ c) $-\frac{18}{11}$ d) $\frac{9}{14} = -\frac{9}{14}$ e) $\frac{-35}{-16} = \frac{35}{16}$

ex 39 $\frac{4}{3}$ inverse de $B = \frac{3}{4}$, de $D = 0,75$ et de $E = \frac{15}{20} = \frac{3 \times 5}{4 \times 5}$

ex 40.

x	$\frac{4}{3}$	$-\frac{7}{5}$	$\frac{1}{6}$	$-\frac{1}{7}$	$-\frac{8}{9}$
inverse	$\frac{3}{4}$	$-\frac{5}{7}$	6	-7	$\frac{9}{8}$
opposé	$-\frac{4}{3}$	$\frac{7}{5}$	$-\frac{1}{6}$	$\frac{1}{7}$	$\frac{8}{9}$

ex 44

$A = \frac{11}{5} \div (-3)$

$A = \frac{11}{5} \times \left(-\frac{1}{3}\right)$

$A = -\frac{11}{15}$

$B = -3 \div \frac{11}{5}$

$B = -3 \times \frac{5}{11}$

$B = -\frac{15}{11}$

$C = \frac{5}{6} \div \frac{6}{5}$

$C = \frac{5}{6} \times \frac{5}{6}$

$C = \frac{25}{36}$

$D = \frac{2}{-3} \div \frac{-5}{7}$

$D = -\frac{2}{3} \times \left(-\frac{7}{5}\right)$

$D = \frac{14}{15}$

$\ominus \times \ominus = \oplus$

ex 49

$$A = \frac{7}{3} - \frac{4}{3} \div \frac{8}{5}$$

$$A = \frac{7}{3} - \frac{4}{3} \times \frac{5}{8}$$

$$A = \frac{7}{3} - \frac{4 \times 5}{3 \times 2 \times 4}$$

$$A = \frac{7}{3} - \frac{5}{6}$$

$$A = \frac{7 \times 2}{3 \times 2} - \frac{5}{6}$$

$$A = \frac{14}{6} - \frac{5}{6}$$

$$A = \frac{9}{6}$$

$$\boxed{A = \frac{3}{2}}$$

$$B = -\frac{4}{9} \times \frac{1}{5} \div \frac{3}{7}$$

$$B = -\frac{4}{45} \div \frac{3}{7}$$

$$B = -\frac{4}{45} \times \frac{7}{3}$$

$$B = -\frac{4 \times 7}{45 \times 3}$$

$$\boxed{B = -\frac{28}{135}}$$

$$C = -\frac{8}{3} \div \frac{-5}{6} + \frac{7}{4}$$

$$C = -\frac{8}{3} \times \frac{6}{-5} + \frac{7}{4}$$

$\ominus \times \ominus = \oplus$

$$C = \frac{8 \times 2 \times 3}{3 \times 5} + \frac{7}{4}$$

$$C = \frac{16 \times 4}{5 \times 4} + \frac{7 \times 5}{4 \times 5}$$

$$C = \frac{64}{20} + \frac{35}{20}$$

$$\boxed{C = \frac{99}{20}}$$

ex 50

$$L = -\frac{7}{5} \div \left(\frac{2}{9} - \frac{7}{18}\right)$$

$$L = -\frac{7}{5} \div \left(\frac{2 \times 2}{9 \times 2} - \frac{7}{18}\right)$$

$$L = -\frac{7}{5} \div \left(\frac{4}{18} - \frac{7}{18}\right)$$

$$L = -\frac{7}{5} \div \left(-\frac{3}{18}\right)$$

$\ominus \times \ominus = \oplus$

$$L = -\frac{7}{5} \times \left(-\frac{18}{3}\right) = \frac{7 \times 18}{5 \times 3} = \frac{7 \times 3 \times 6}{5 \times 3} = \boxed{\frac{42}{5}}$$

$$\Pi = \left(\frac{4}{5} + \frac{-3}{2}\right) \div \left(\frac{-9}{4} - \frac{1}{6}\right)$$

$$\Pi = \left(\frac{4\times2}{5\times2} + \frac{-3\times5}{2\times5}\right) \div \left(\frac{-9\times3}{4\times3} - \frac{1\times2}{6\times2}\right)$$

$$\Pi = \left(\frac{8}{10} + \frac{-15}{10}\right) \div \left(\frac{-27}{12} - \frac{2}{12}\right)$$

$$\Pi = -\frac{7}{10} \div \frac{-29}{12}$$

$$\Pi = -\frac{7}{10} \times \frac{12}{-29}$$

$\ominus \times \ominus = \oplus$

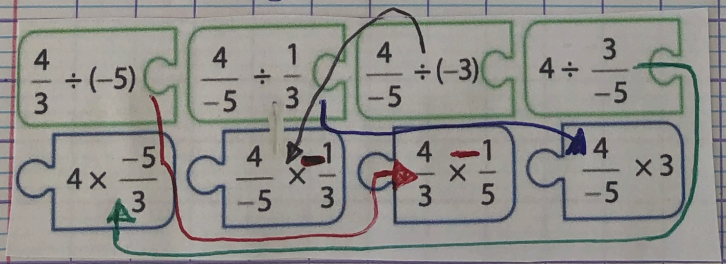
$$\Pi = \frac{7\times12}{10\times29}$$

$$\Pi = \frac{7\times2\times6}{2\times5\times29}$$

$$\boxed{\Pi = \frac{42}{145}}$$

exc 45 $c = \frac{6}{5}$

exc 46



⚠ erreurs sur l'énoncé