

# Interrogation chapitre 3

## Exercice 1

a)  $\frac{3}{\dots}$

b)  $\frac{\dots}{5}$

c)  $3 = \frac{12}{4}$

d)  $6 = \frac{42}{7}$

## Exercice 2

a) 
$$\begin{array}{r|l} 3 & 5 \\ -0 & 0,6 \\ \hline 30 & \\ -30 & \\ \hline 0 & \end{array}$$

b) 
$$\begin{array}{r|l} 1 & 125 \\ 10 & 0,008 \\ 100 & \\ 1000 & \\ -1000 & \\ \hline 0 & \end{array}$$

## Exercice 1

a)  $\frac{\dots}{4}$

b)  $\frac{7}{\dots}$

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

d)  $4 = \frac{12}{3}$

## Exercice 2

a) 
$$\begin{array}{r|l} 2 & 5 \\ -0 & 0,4 \\ \hline 20 & \\ -20 & \\ \hline 0 & \end{array}$$

b) 
$$\begin{array}{r|l} 1 & 625 \\ 10 & 0,0016 \\ 100 & \\ 1000 & \\ -625 & \\ \hline 3750 & \\ -3750 & \\ \hline 0 & \end{array}$$



$$c) \textcircled{2}$$

$$\begin{array}{r} 20 \\ -14 \\ \hline 60 \\ -56 \\ \hline 40 \\ -35 \\ \hline 50 \\ -49 \\ \hline 10 \\ -7 \\ \hline 30 \\ -28 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \hline 0,285714... \\ \text{période} \end{array}$$

$$\textcircled{6}$$

$$\begin{array}{r} 60 \\ -56 \\ \hline 40 \\ -35 \\ \hline 50 \\ -49 \\ \hline 10 \\ -7 \\ \hline 30 \\ -28 \\ \hline 20 \\ -14 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ \hline 0,857142... \\ \text{période} \end{array}$$

### Exercice 3

$$a) \frac{7}{4} = \frac{7 \times 4}{4 \times 4} = \frac{28}{16}$$

$$b) \frac{1}{11} = \frac{9 \times 1}{9 \times 11} = \frac{9}{99}$$

$$c) \frac{84}{98} = \frac{2 \times 42}{2 \times 49} = \frac{42}{49} = \frac{7 \times 6}{7 \times 7} = \frac{6}{7}$$

### Exercice 4

$$\frac{2}{5} = \frac{2 \times 6}{5 \times 6} = \frac{12}{30}$$

$$\frac{4}{5} = \frac{4 \times 3}{5 \times 3} = \frac{12}{15}$$

$$\frac{3}{7} = \frac{3 \times 4}{7 \times 4} = \frac{12}{28}$$

$$\frac{2}{5} \neq \frac{4}{5} \text{ car } 2 \times 5 = 10, \frac{2}{5} \neq \frac{3}{7} \text{ car } 2 \times 7 = 14 \text{ et } \frac{4}{5} \neq \frac{3}{7} \text{ car } 4 \times 7 = 28$$

### Exercice 3

$$a) \frac{3}{7} = \frac{3 \times 6}{7 \times 6} = \frac{18}{42}$$

$$b) \frac{1}{9} = \frac{1 \times 11}{9 \times 11} = \frac{11}{99}$$

$$c) \frac{56}{98} = \frac{2 \times 28}{2 \times 49} = \frac{28}{49} = \frac{7 \times 4}{7 \times 7} = \frac{4}{7}$$

### Exercice 4

$$\frac{2}{3} = \frac{2 \times 6}{3 \times 6} = \frac{12}{18}$$

$$\frac{4}{5} = \frac{4 \times 3}{5 \times 3} = \frac{12}{15}$$

$$\frac{6}{7} = \frac{6 \times 4}{7 \times 4} = \frac{24}{28}$$

$$\frac{2}{3} \neq \frac{4}{5} \text{ car } 2 \times 5 = 10, \frac{2}{3} \neq \frac{6}{7} \text{ car } 2 \times 7 = 14 \text{ et } \frac{4}{5} \neq \frac{6}{7} \text{ car } 4 \times 7 = 28$$