

## ♥ Opérations et nombres décimaux.

**Exercice 1 : Pose et effectue les trois additions suivantes :**

- $23,707 + 7\,985,2$
- $32,573 + 2\,332,7$
- $682,72 + 67,694$

**Exercice 2 : Pose et effectue les trois soustractions suivantes :**

- $963,4 - 926,64$
- $277,1 - 94,925$
- $7\,836,9 - 73,481$

**Exercice 3 : Pose et effectue les trois multiplications suivantes :**

- $45,98 \times 71,89$
- $179,2 \times 24$
- $22,9 \times 3,886$

**Exercice 4 : Pose et effectue les trois divisions suivantes : (Arrondir aux centièmes)**

- $42,64 : 9 = ?$
- $540,7 : 68 = ?$
- $7,568 : 699 = ?$



## ♥ Opérations et nombres décimaux. - Correction -

Exercice 2 : Pose et effectue les trois soustractions suivantes :

- $963,4 - 926,64 = 36,76$

$$\begin{array}{r}
 963,40 \\
 - 926,64 \\
 \hline
 36,76
 \end{array}$$

Detailed description: A vertical subtraction problem. The top number is 963,40 with a red '1' above the 3 and a red '1' above the 0. The bottom number is 926,64 with a red '1' above the 6 and a red '1' above the 4. A horizontal line is drawn below the bottom number. The result is 36,76. The digits 3, 6, 7, and 6 are aligned under their respective columns.

- $277,1 - 94,925 = 182,175$

$$\begin{array}{r}
 277,100 \\
 - 94,925 \\
 \hline
 182,175
 \end{array}$$

Detailed description: A vertical subtraction problem. The top number is 277,100 with red '1's above the 7, 0, and 0. The bottom number is 94,925 with red '1's above the 9, 2, and 5. A horizontal line is drawn below the bottom number. The result is 182,175. The digits 1, 8, 2, 1, 7, and 5 are aligned under their respective columns.

- $7836,9 - 73,481 = 7763,419$

$$\begin{array}{r}
 7836,900 \\
 - 73,481 \\
 \hline
 7763,419
 \end{array}$$

Detailed description: A vertical subtraction problem. The top number is 7836,900 with red '1's above the 3, 0, and 0. The bottom number is 73,481 with red '1's above the 4, 8, and 1. A horizontal line is drawn below the bottom number. The result is 7763,419. The digits 7, 7, 6, 3, 4, 1, and 9 are aligned under their respective columns.

## ♥ Opérations et nombres décimaux. - Correction -

**Exercice 3 : Pose et effectue les trois multiplications suivantes :**

- $45,98 \times 71,89 = 3\,305,5022$

$$\begin{array}{r}
 \times \quad 45,98 \\
 \quad 71,89 \\
 \hline
 \quad \quad 41382 \\
 \quad 36784 \\
 \quad 4598 \\
 32186 \\
 \hline
 3305,5022
 \end{array}$$

- $179,2 \times 24 = 4\,300,8$

$$\begin{array}{r}
 \times \quad 179,2 \\
 \quad 24,00 \\
 \hline
 \quad \quad \quad 0 \\
 \quad \quad \quad 0 \\
 \quad 7168 \\
 3584 \\
 \hline
 4300,800
 \end{array}$$

- $22,9 \times 3,886 = 88,9894$

$$\begin{array}{r}
 \times \quad 22,9 \\
 \quad 3,886 \\
 \hline
 \quad \quad 1374 \\
 \quad 1832 \\
 1832 \\
 687 \\
 \hline
 88,9894
 \end{array}$$

## ♥ Opérations et nombres décimaux. - Correction -

Exercice 4 : Pose et effectue les trois divisions suivantes : (Arrondir aux centièmes)

$$\begin{array}{r} 42,640 \\ 9 \overline{) 42,640} \\ \underline{36} \phantom{0} \\ 64 \phantom{0} \\ \underline{54} \phantom{0} \\ 10 \phantom{0} \\ \underline{9} \phantom{0} \\ 10 \\ \underline{9} \\ 1 \end{array}$$

**42,64 : 9 ≈ 4,74**

$$\begin{array}{r} 540,700 \\ 68 \overline{) 540,700} \\ \underline{352} \phantom{0} \\ 188 \phantom{0} \\ \underline{136} \phantom{0} \\ 520 \phantom{0} \\ \underline{408} \phantom{0} \\ 1120 \phantom{0} \\ \underline{1024} \phantom{0} \\ 960 \\ \underline{952} \\ 80 \end{array}$$

**540,7 : 68 ≈ 7,95**

$$\begin{array}{r} 7,568 \\ 699 \overline{) 7,568} \\ \underline{699} \\ 568 \\ \underline{578} \\ 90 \end{array}$$

**7,568 : 699 ≈ 0,01**