

Mathématiques - 6ème
Correction de l'évaluation n°9

► **Exercice 1 :**

version A

$$\begin{array}{r} 1 \\ 1491 \\ + 64,95 \\ \hline 1555,95 \end{array}$$

$$\begin{array}{r} 903,41 \\ - 85,7 \\ \hline 817,71 \end{array}$$

$$\begin{array}{r} 17,8 \\ \times 87 \\ \hline 1246 \\ 1424 \cdot \\ \hline 1548,6 \end{array}$$

$$\begin{array}{r} 103,6 \\ \times 0,47 \\ \hline 7252 \\ 4144 \cdot \\ \hline 48,692 \end{array}$$

version B

$$\begin{array}{r} 11 \\ 3691 \\ + 684,95 \\ \hline 4375,95 \end{array}$$

$$\begin{array}{r} 783,54 \\ - 95,7 \\ \hline 687,84 \end{array}$$

$$\begin{array}{r} 26,8 \\ \times 87 \\ \hline 1876 \\ 2144 \cdot \\ \hline 2331,6 \end{array}$$

$$\begin{array}{r} 407,6 \\ \times 0,39 \\ \hline 36684 \\ 12228 \cdot \\ \hline 158,964 \end{array}$$

version C

$$\begin{array}{r} 11 \\ 5497 \\ + 34,79 \\ \hline 5531,79 \end{array}$$

$$\begin{array}{r} 903,41 \\ - 96,5 \\ \hline 806,91 \end{array}$$

$$\begin{array}{r} 56,4 \\ \times 98 \\ \hline 4512 \\ 5076 \cdot \\ \hline 5527,2 \end{array}$$

$$\begin{array}{r} 208,3 \\ \times 0,54 \\ \hline 8332 \\ 10415 \cdot \\ \hline 112,482 \end{array}$$

version D

$$\begin{array}{r} 11 \\ 7835 \\ + 78,46 \\ \hline 7913,46 \end{array}$$

$$\begin{array}{r} 345,21 \\ - 49,8 \\ \hline 295,41 \end{array}$$

$$\begin{array}{r} 268 \\ \times 9,4 \\ \hline 1072 \\ 2412 \cdot \\ \hline 2519,2 \end{array}$$

$$\begin{array}{r} 407,2 \\ \times 0,43 \\ \hline 12216 \\ 16288 \cdot \\ \hline 175,096 \end{array}$$

► Exercise 2 :

version A

$$\begin{aligned} & 33 + 85 + 24 + 17 + 16 \\ &= (33 + 17) + (16 + 24) + 85 \\ &= 50 + 40 + 85 \\ &= 175 \end{aligned}$$

$$\begin{aligned} & 4 \times 6 \times 25 \\ &= (4 \times 25) \times 6 \\ &= 100 \times 6 \\ &= 600 \end{aligned}$$

$$\begin{aligned} & 8 \times 1,8 \times 12,5 \\ &= (8 \times 12,5) \times 1,8 \\ &= 100 \times 1,8 \\ &= 180 \end{aligned}$$

version B

$$\begin{aligned} & 23 + 15 + 44 + 17 + 16 \\ &= (23 + 17) + (16 + 44) + 15 \\ &= 40 + 60 + 15 \\ &= 115 \end{aligned}$$

$$\begin{aligned} & 4 \times 36 \times 2,5 \\ &= (4 \times 2,5) \times 36 \\ &= 10 \times 36 \\ &= 360 \end{aligned}$$

$$\begin{aligned} & 125 \times 0,14 \times 8 \\ &= (8 \times 125) \times 0,14 \\ &= 1000 \times 0,14 \\ &= 140 \end{aligned}$$

version C

$$\begin{aligned} & 33 + 15 + 24 + 17 + 16 \\ &= (33 + 17) + (16 + 24) + 15 \\ &= 50 + 40 + 15 \\ &= 105 \end{aligned}$$

$$\begin{aligned} & 0,4 \times 6 \times 2,5 \\ &= (0,4 \times 2,5) \times 6 \\ &= 1 \times 6 \\ &= 6 \end{aligned}$$

$$\begin{aligned} & 8 \times 1,7 \times 125 \\ &= (8 \times 125) \times 1,7 \\ &= 1000 \times 1,7 \\ &= 1700 \end{aligned}$$

version D

$$\begin{aligned} & 33 + 85 + 34 + 15 + 26 \\ &= (85 + 15) + (34 + 26) + 33 \\ &= 100 + 60 + 33 \\ &= 193 \end{aligned}$$

$$\begin{aligned} & 4 \times 5,3 \times 25 \\ &= (4 \times 25) \times 5,3 \\ &= 100 \times 5,3 \\ &= 530 \end{aligned}$$

$$\begin{aligned} & 8 \times 17 \times 12,5 \\ &= (8 \times 12,5) \times 17 \\ &= 100 \times 17 \\ &= 1700 \end{aligned}$$