

Exercice 1

Correction :

$$\begin{array}{r|l}
 8712 & 18 \\
 \hline
 -72 & 484 \\
 \hline
 151 & \\
 -144 & \\
 \hline
 72 & \\
 -72 & \\
 \hline
 0 &
 \end{array}
 \quad
 \begin{array}{r|l}
 19776 & 48 \\
 \hline
 -192 & 412 \\
 \hline
 57 & \\
 -48 & \\
 \hline
 96 & \\
 -96 & \\
 \hline
 0 &
 \end{array}
 \quad
 \begin{array}{r|l}
 4884 & 44 \\
 \hline
 -44 & 111 \\
 \hline
 48 & \\
 -44 & \\
 \hline
 44 & \\
 -44 & \\
 \hline
 0 &
 \end{array}$$

Exercice 2

Correction :

$$\begin{array}{r|l}
 15272 & 46 \\
 \hline
 -138 & 332 \\
 \hline
 147 & \\
 -138 & \\
 \hline
 92 & \\
 -92 & \\
 \hline
 0 &
 \end{array}
 \quad
 \begin{array}{r|l}
 4968 & 18 \\
 \hline
 -36 & 276 \\
 \hline
 136 & \\
 -126 & \\
 \hline
 108 & \\
 -108 & \\
 \hline
 0 &
 \end{array}
 \quad
 \begin{array}{r|l}
 9728 & 32 \\
 \hline
 -96 & 304 \\
 \hline
 128 & \\
 -128 & \\
 \hline
 0 &
 \end{array}$$

Exercice 3

Correction :

$$\begin{array}{r|l}
 4900 & 49 \\
 \hline
 -49 & 100 \\
 \hline
 0 &
 \end{array}
 \quad
 \begin{array}{r|l}
 2067 & 13 \\
 \hline
 -13 & 159 \\
 \hline
 76 & \\
 -65 & \\
 \hline
 117 & \\
 -117 & \\
 \hline
 0 &
 \end{array}
 \quad
 \begin{array}{r|l}
 20160 & 45 \\
 \hline
 -180 & 448 \\
 \hline
 216 & \\
 -180 & \\
 \hline
 360 & \\
 -360 & \\
 \hline
 0 &
 \end{array}$$

Exercice 4

Correction :

$\begin{array}{r} 21956 \\ -176 \\ \hline 435 \\ -396 \\ \hline 396 \\ -396 \\ \hline 0 \end{array}$	$\begin{array}{r} 44 \\ \hline 499 \end{array}$	$\begin{array}{r} 12839 \\ -111 \\ \hline 173 \\ -148 \\ \hline 259 \\ -259 \\ \hline 0 \end{array}$	$\begin{array}{r} 37 \\ \hline 347 \end{array}$	$\begin{array}{r} 7735 \\ -68 \\ \hline 93 \\ -85 \\ \hline 85 \\ -85 \\ \hline 0 \end{array}$	$\begin{array}{r} 17 \\ \hline 455 \end{array}$
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Exercice 5

Correction :

$\begin{array}{r} 6132 \\ -42 \\ \hline 193 \\ -168 \\ \hline 252 \\ -252 \\ \hline 0 \end{array}$	$\begin{array}{r} 42 \\ \hline 146 \end{array}$	$\begin{array}{r} 11900 \\ -100 \\ \hline 190 \\ -150 \\ \hline 400 \\ -400 \\ \hline 0 \end{array}$	$\begin{array}{r} 50 \\ \hline 238 \end{array}$	$\begin{array}{r} 6032 \\ -58 \\ \hline 232 \\ -232 \\ \hline 0 \end{array}$	$\begin{array}{r} 29 \\ \hline 208 \end{array}$
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Exercice 6

Correction :

$\begin{array}{r} 1960 \\ -14 \\ \hline 56 \\ -56 \\ \hline 0 \end{array}$	$\begin{array}{r} 14 \\ \hline 140 \end{array}$	$\begin{array}{r} 16830 \\ -135 \\ \hline 333 \\ -315 \\ \hline 180 \\ -180 \\ \hline 0 \end{array}$	$\begin{array}{r} 45 \\ \hline 374 \end{array}$	$\begin{array}{r} 20492 \\ -188 \\ \hline 169 \\ -141 \\ \hline 282 \\ -282 \\ \hline 0 \end{array}$	$\begin{array}{r} 47 \\ \hline 436 \end{array}$
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Exercice 7

Correction :

$$\begin{array}{r|l}
 10664 & 31 \\
 \hline
 -93 & 344 \\
 \hline
 136 & \\
 -124 & \\
 \hline
 124 & \\
 -124 & \\
 \hline
 0 &
 \end{array}
 \qquad
 \begin{array}{r|l}
 6963 & 33 \\
 \hline
 -66 & 211 \\
 \hline
 36 & \\
 -33 & \\
 \hline
 33 & \\
 -33 & \\
 \hline
 0 &
 \end{array}
 \qquad
 \begin{array}{r|l}
 17982 & 37 \\
 \hline
 -148 & 486 \\
 \hline
 318 & \\
 -296 & \\
 \hline
 222 & \\
 -222 & \\
 \hline
 0 &
 \end{array}$$

Exercice 8

Correction :

$$\begin{array}{r|l}
 7872 & 48 \\
 \hline
 -48 & 164 \\
 \hline
 307 & \\
 -288 & \\
 \hline
 192 & \\
 -192 & \\
 \hline
 0 &
 \end{array}
 \qquad
 \begin{array}{r|l}
 2706 & 22 \\
 \hline
 -22 & 123 \\
 \hline
 50 & \\
 -44 & \\
 \hline
 66 & \\
 -66 & \\
 \hline
 0 &
 \end{array}
 \qquad
 \begin{array}{r|l}
 7812 & 28 \\
 \hline
 -56 & 279 \\
 \hline
 221 & \\
 -196 & \\
 \hline
 252 & \\
 -252 & \\
 \hline
 0 &
 \end{array}$$