

Multiplication

Name: _____

Column method multiplication (3 digits by 2 digits).

Method 1	Method
$\begin{array}{r} 236 \\ \times 25 \\ \hline 30 \\ 150 \\ 1\ 000 \\ 120 \\ 600 \\ \hline 4\ 000 \\ \hline 5\ 900 \end{array}$	$\begin{array}{r} 236 \\ \times 25 \\ \hline 1\ 180 \\ 4\ 720 \\ \hline 5\ 900 \end{array}$
<p>(6 x 5)</p> <p>(5 x 30)</p> <p>(5 x 200)</p> <p>(20 x 6)</p> <p>(20 x 30)</p> <p>(20 x 200)</p>	<p>(5 x 236)</p> <p>(20 x 236)</p>



Calculate the following using the column method.

a) 462×21

d) 483×28

b) 984×16

e) 521×24

c) 365×35

f) 257×25



g) 372×13

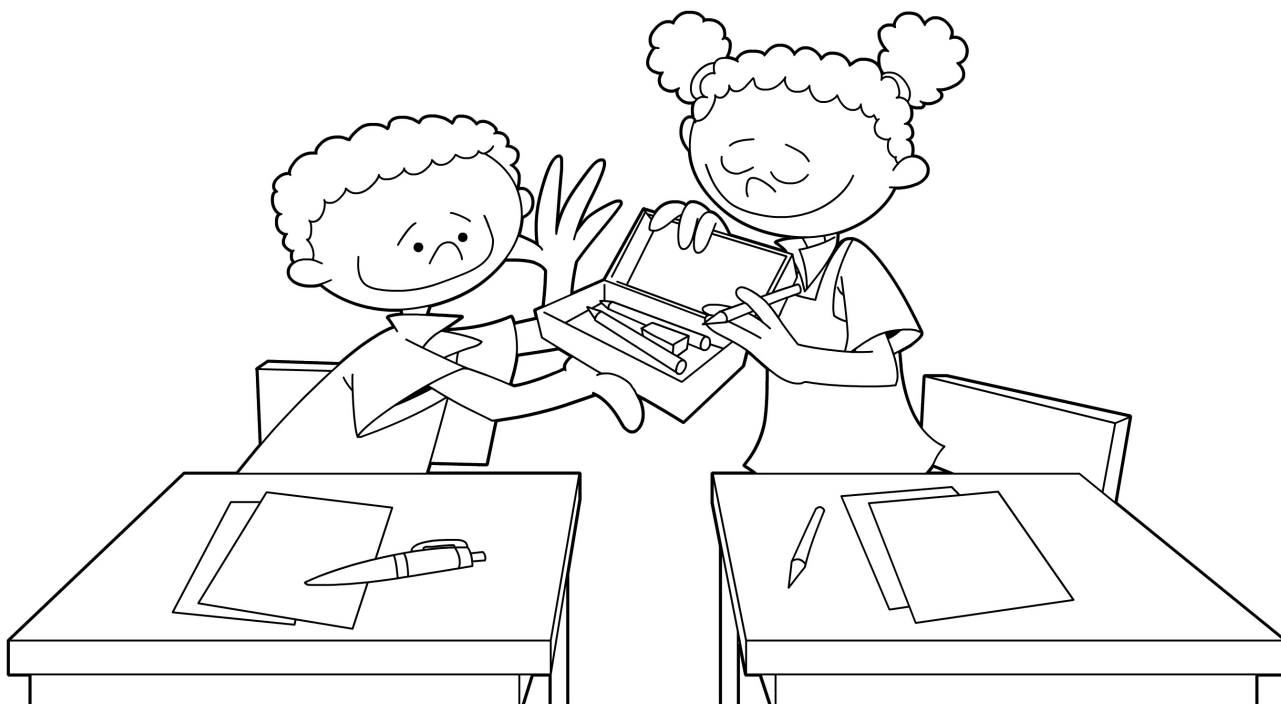
j) 265×19

h) 422×35

k) 842×42

i) 159×23

l) 606×66



Answers

Calculate the following using the column method.

a) 462×21

$$\begin{array}{r} 462 \\ \times 21 \\ \hline 9240 \\ 462 \\ \hline 9702 \end{array} \quad \begin{array}{l} (1 \times 462) \\ (20 \times 462) \end{array}$$

b) 984×16

$$\begin{array}{r} 984 \\ \times 16 \\ \hline 5904 \\ 9840 \\ \hline 15744 \end{array} \quad \begin{array}{l} (6 \times 984) \\ (10 \times 984) \end{array}$$

c) 365×35

$$\begin{array}{r} 365 \\ \times 35 \\ \hline 1825 \\ 10950 \\ \hline 12775 \end{array} \quad \begin{array}{l} (5 \times 365) \\ (30 \times 365) \end{array}$$

d) 483×28

$$\begin{array}{r} 483 \\ \times 28 \\ \hline 3864 \\ 9660 \\ \hline 13524 \end{array} \quad \begin{array}{l} (8 \times 483) \\ (20 \times 483) \end{array}$$

e) 521×24

$$\begin{array}{r} 521 \\ \times 24 \\ \hline 2084 \\ 10420 \\ \hline 12504 \end{array} \quad \begin{array}{l} (4 \times 521) \\ (20 \times 521) \end{array}$$

f) 257×25

$$\begin{array}{r} 257 \\ \times 25 \\ \hline 1285 \\ 5140 \\ \hline 6425 \end{array} \quad \begin{array}{l} (5 \times 257) \\ (20 \times 257) \end{array}$$

g) 372×13

$$\begin{array}{r} 372 \\ \times 13 \\ \hline 1116 \\ 3720 \\ \hline 4836 \end{array} \quad \begin{array}{l} (3 \times 372) \\ (10 \times 372) \end{array}$$

h) 422×35

$$\begin{array}{r} 422 \\ \times 35 \\ \hline 2110 \\ 12660 \\ \hline 14770 \end{array} \quad \begin{array}{l} (5 \times 422) \\ (30 \times 422) \end{array}$$

i) 159×23

$$\begin{array}{r} 159 \\ \times 23 \\ \hline 477 \\ 3180 \\ \hline 3657 \end{array} \quad \begin{array}{l} (3 \times 159) \\ (20 \times 159) \end{array}$$

j) 265×19

$$\begin{array}{r} 265 \\ \times 19 \\ \hline 2385 \\ 2650 \\ \hline 5035 \end{array} \quad \begin{array}{l} (9 \times 265) \\ (10 \times 265) \end{array}$$

k) 842×42

$$\begin{array}{r} 842 \\ \times 42 \\ \hline 1684 \\ 33680 \\ \hline 35364 \end{array} \quad \begin{array}{l} (4 \times 842) \\ (20 \times 842) \end{array}$$

l) 606×66

$$\begin{array}{r} 606 \\ \times 66 \\ \hline 3636 \\ 36360 \\ \hline 39996 \end{array} \quad \begin{array}{l} (6 \times 606) \\ (60 \times 606) \end{array}$$