

Multiplication

Name: _____

Column method multiplication (3 digits by 2 digits).

Method 1		Method	
236		236	
x 25		x 25	
30	(6 x 5)	1 180	(5 x 236)
150	(5 x 30)	4 720	(20 x 236)
1 000	(5 x 200)	<u>5 900</u>	
120	(20 x 6)		
600	(20 x 30)		
<u>4 000</u>	(20 x 200)		
<u>5 900</u>			



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

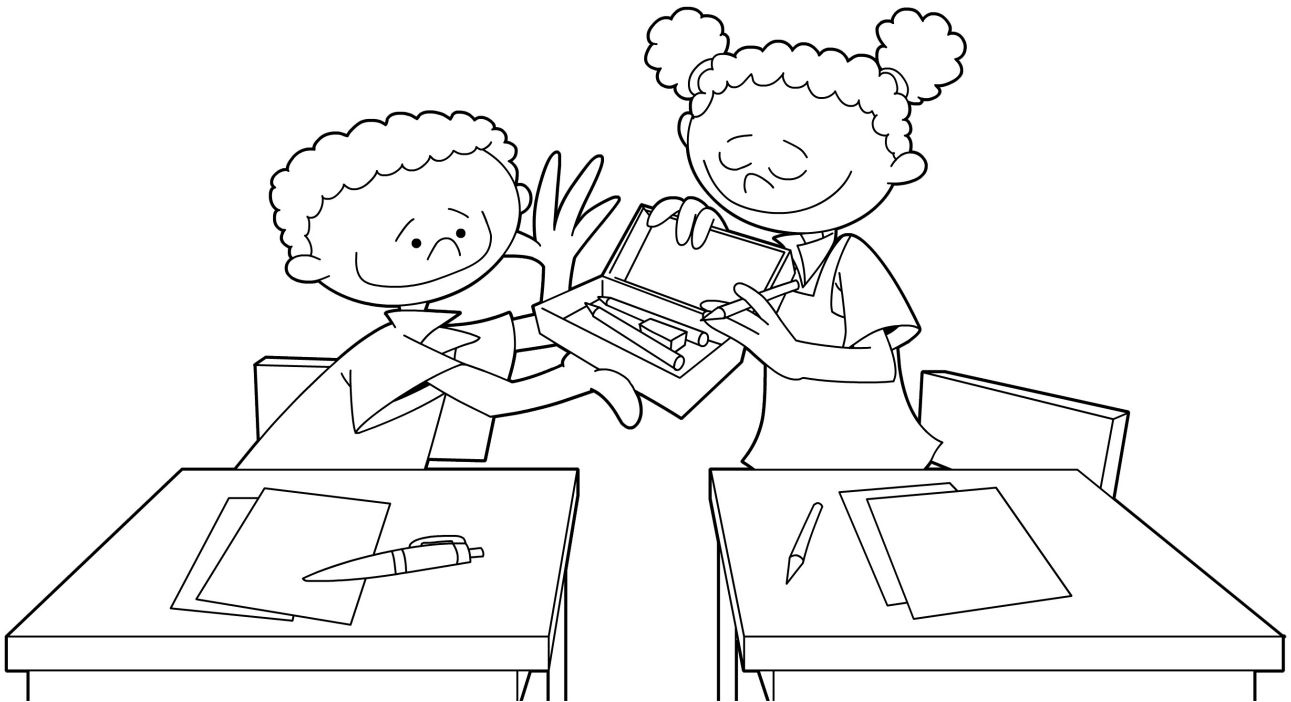
j) 265×19

h) 422×35

k) 842×42

i) 159×23

l) 606×66



Answers

Calculate the following using the column method.

a) 462×21

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

g) 372×13

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

b) 984×16

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

h) 422×35

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

c) 365×35

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

i) 159×23

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

d) 483×28

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

j) 265×19

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

e) 521×24

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

k) 842×42

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

f) 257×25

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

l) 606×66

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