## Column Addition $325+4217$

Start on the left, and add the numbers together. $5+7=12$ so the 2 goes in the units column, and the one goes below the 10s column.

| $+\quad 4 \quad 2 \quad 1 \quad 7$ |
| :--- |
|  |
|  |

Step4
Add the 100 s column.

$$
3+2=5
$$

| + | 4 | 3 | 2 | 5 |
| :---: | :---: | :---: | :---: | :---: |
|  |  | 2 | 1 | 7 |
|  | 4 | 5 | 4 | 2 |

## Step 1

Write the numbers in the correct columns. Doesn't matter which order, but they must be in the correct columns.


## Step3

Add the 10 s column. Don't forget the 1 at the bottom. $2+1+1=4$
$3 \quad 2 \quad 5$
$+\quad 4 \quad 2 \quad 1 \quad 7$

$$
5 \quad 4 \quad 2
$$

$$
1
$$

## Step5

The 4 is the only number in the 1000s column.

Division
$1935 \div 9$

| 9 | 1 | 9 | 3 | 5 |
| :--- | :--- | :--- | :--- | :--- |

Step 2
9 doesn't go into 1 , so carry $9 \longdiv { 1 ^ { 1 } 9 } 3$ the 1 over to make 19.


## Step 3

Two 9's go into 19, remainder is 1 . Carry the 1 to the 3 .

Step 4
One 9 in 13, remainder is 4 .
Carry the 4 to the 5 .

9 |  | 2 | 1 | 5 |
| :---: | :---: | :---: | :---: |
|  | $1^{1} 9$ | ${ }^{1} 3$ | ${ }^{4} 5$ |

## Step 4

There are five 9s in 45.

## Column Subtraction

325-186

## Step 1

325
$-\quad 186$

Write the numbers in the correct columns. The first number must be at the top.
$\begin{array}{llll} & 3 & 2^{1} 1_{5} \\ \begin{array}{llll}\text { Step } 2 \\ 5 \text { is less than } 6 \text { so borrow a } 1 & - & 1 & 8\end{array} & 6\end{array}$ from the 2 to make 15 , then
do $15-6=9$

```
                            9
```

```
                            9
```

| 23 | ${ }_{2}$ | 1 | 1 |
| :--- | :--- | :--- | :--- | | Step 3 |
| :--- |
| 1 | | 1 is less than 8 so borrow a 1 |
| :--- |
| from the 3 to make 11, then |
| do $11-8=3$ |

## Step 3

|  | $1_{1}$ | 1 |
| :---: | :---: | :---: |
| 3 | 2 | $1_{5}$ |
| 1 | 8 | 6 |
| 1 | 3 | 9 |

## Long Multiplication

 $371 \times 42$| $3 \quad 7 \quad 1$ |
| ---: |
| $\times \quad 4 \quad 2$ |

## Step 1

Begin by doing $2 \times 1=2$ and writing the answer in the units column.

Step 2
Next, do $2 \times 7=14$, and write like his.

| 3 |
| ---: |
| $\times \quad 7$ |

## Step 4

Before repeating the process with the 4 , place a 0 in the units column.

## Step 3

$2 \times 3$ add the 1 makes 7 .

| 3 |
| ---: |
| $\times \quad 7$ | | 1 |
| :--- |
| 7 |
| 1 | 4 | 2 |
| :--- |

## Step 5

$4 \times 1=4$, and then $4 \times$ $7=28$, then $4 \times 3$ and the 2 makes 14 . Add the two rows together.
$371 \times 42=15,582$

