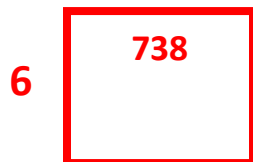


# Place Value Sections Method for Division

$$738 \div 6$$

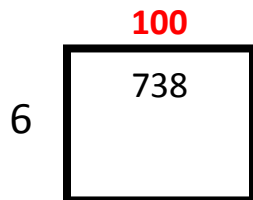
## Step 1

Make a box, and place the 738 (dividend) in the box and the 6 (divisor) on the outside



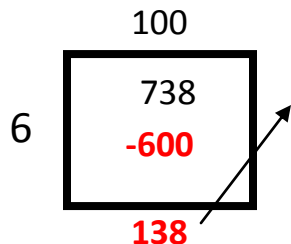
## Step 2

Think how many times 6 hundreds will go into 700 and write that number above the box



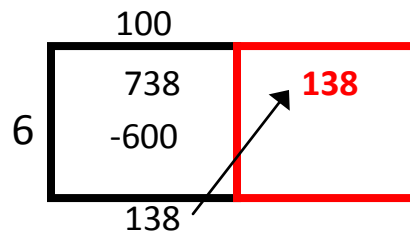
## Step 3

Multiply the number on top of the first box by 6 and write that number under 738, then subtract and write the answer below the box



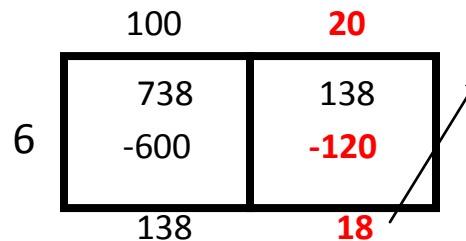
## Step 4

Create a new box to the right, and place the answer from the first box at the top of the second box



## Step 5

Think how many times 6 tens will go into 138 and write that number above the box, then multiply the number on top of the second box by 6 and write that number under 138, then subtract and write the answer below the box



### Step 6

Create a new box to the right, and place the answer from the second box at the top of the third box

	100	20	
6	738	138	18
	-600	-120	
	138	18	

### Step 7

Think how many times 6 will go into 18 and write that number above the box, then multiply the number on top of the third box by 6 and write that number under 18, then subtract and write the answer below the box

	100	20	3
6	738	138	18
	-600	-120	-18
	138	18	0

### Step 8

Lastly, add the numbers along the top to get your quotient

	100	+	20	+	3	=	123
6	738		138		18		
	-600		-120		-18		
	138		18		0		

$$\begin{array}{r} 123 \leftarrow \text{quotient} \\ \text{divisor} \rightarrow 6 \overline{) 738} \\ \phantom{6} \swarrow \\ \phantom{6} 738 \swarrow \\ \phantom{6} \phantom{7} 38 \swarrow \\ \phantom{6} \phantom{7} \phantom{3} 8 \swarrow \\ \phantom{6} \phantom{7} \phantom{3} \phantom{8} 0 \end{array}$$

dividend