Column Subtraction 2347-764=1583

Minuend - Subtrahend = Difference

1) 2347


3

Subtract the ones

$$
7 \text { ones }-4 \text { ones = } 3 \text { ones }
$$

Subtract the tens
4-6 You cant do.
You need to exchange 1 hundred for 10 tens.
14 tens - 6 tens $=8$ tens
3) $)^{1}{ }^{1} 447$ Subtract the hundreds

- $\quad 764$

2-7 You cant do.
You need to exchange 1 thousand for 10 hundreds.
12 hundreds -7 hundreds $=5$ hundreds


Subtract the thousands
$1-0=1$
Although it doesn't say 0, you have no thousands to subtract from 1 thousand.

## Column Addition <br> $2205+3879=6084$ Addend + Addend = Sum

1) 2205 Add the ones
$\begin{array}{r}+3879 \\ \hline 4\end{array}$
2) 2205
$+3879$
84
1
3) 2205 Add the hundreds
$\begin{array}{r}3879 \\ \hline 084 \\ \hline 1\end{array}$
2 hundreds + 8 hundreds $=10$ hundreds
10 hundreds is the same as 1 thousand.
We put a 0 in the hundreds column and move the 1 thousand to the thousand column
4) 2205 Add the thousands


2 thousands +3 thousands $=5$ thousands
REMEMBER: Add on the extra thousand 5 thousands +1 thousand $=6$ thousands

1) 2146 Multiply the ones by the multiplier
$\times 46$ ones $\times 4=24$ ones
Keep the 4 ones in 24 in the ones column,
and move the 2 tens to the tens column
2) 

2146


4
2

Multiply the tens by the multiplier
4 tens $\times 4=16$ tens
REMEMBER: Add on the extra tens
16 tens +2 tens $=18$ tens
We keep the 8 in the tens column and exchange the 10 tens for one hundred.
3)

2146
$\begin{array}{r}4 \\ \times \quad 584 \\ \hline\end{array}$
12
1 hundreds $\times 4=4$ hundred
REMEMBER: Add on the extra hundred
4 hundred + 1 hundred = 5 hundreds
4)

2146
$\times$
4
8584
Multiply the thousand by the multiplier
2 thousands $\times 4=8$ thousands

## Column Multiplication

## $214 \times 14=2986$

 Multiplicand $\times$ Multiplier $=$ Product1) 

## 214



Multiply by the ones in the multiplier
2)

214


Multiply by the multiple of ten in the multiplier
REMEMBER: put the 0 in first,
3) 846
3) 846


Add the two products together,

## Contracted method

Multiply your number by the ones in the multiplier.
$4 \times 214=856$
2) 214
$\times \quad 14$
Multiply your number by the multiple of tens in the multiplier.
REMEMBER: put the 0 in first.
$214 \times 10=2140$
3) 214
$\times \quad 14$
856
Add the two products together.
$+\frac{2140}{2986}$
$856+2140=2986$

Short division
(bus stop method)
$2374 \div 5=474 \frac{4}{5}$
Dividend $\div$ Divisor = Quotient
1)

$$
5 \longdiv { 2 3 7 4 }
$$

Set up your bus stop method. Divisor $\begin{aligned} & \text { Dividend }\end{aligned}$
2)

$$
\frac{0}{\qquad} \begin{gathered}
2^{2} 374
\end{gathered}
$$

3) 04
$5 \longdiv { 2 ^ { 2 } 3 ^ { 3 } 7 4 }$
4) 047
$5 \longdiv { 2 ^ { 2 } 3 ^ { 3 } 7 ^ { 2 } 4 }$
How many 5's go into 37? 7
$7 \times 5=35$ and there is 2 left over We carry the 3 over to the next column.
How many 5's go into 23? 4 $5 \times 4=20$ and there is 3 left over We carry the 3 over to the next column.
Start from the left. How many 5's go into 2? 0 We carry the 2 over to the next column.
5) $0474 r 4$

$$
5 \longdiv { 2 ^ { 2 } 3 ^ { 3 } 7 ^ { 2 } 4 }
$$

