

How to add 2 digit numbers on a number line..

Label question
draw line

TU TU
 $45 + 13$

Biggest
number at
the start

45

Add on
the tens

+10

45

55

Add on
the units

Circle your answer

+10

+1

+1

+1

45

55

56

57

58

$45 + 13 = 58$

How to add 3 digit numbers - compact method..

Biggest number
on the top!

Add U

Carry any tens

Add T


Including anything
you have carried!

Add H


Including anything
you have carried!

CHECK!


Does your answer
make sense?




HTU
739
+ 342




HTU
739
+ 342
 1 (9 + 2 = 11)
1



HTU
739
+ 342
 81 (30 + 40 + 10 = 70)
1



HTU
739
+ 342
1,081 (700 + 300 = 1,000)



HTU
739
+ 342
1,081

How to add 3 digit numbers using expanded column method...

Biggest number on the top!

Partition
Label your columns

ADD U

ADD T

ADD H

ADD back together again

$$\begin{array}{r} \text{HTU} \\ 582 \\ + 432 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 582 = 500 + 80 + 4 \\ + 432 = 300 + 30 + 2 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 582 = 500 + 80 + 4 \\ + 432 = 300 + 30 + 2 \\ \hline \qquad \qquad \qquad 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 582 = 500 + 80 + 4 \\ - 432 = 300 + 30 + 2 \\ \hline \qquad \qquad \qquad 110 + 6 \\ \hline \end{array}$$

$$\begin{array}{r} \text{H} \quad \text{T} \quad \text{U} \\ 582 = 500 + 80 + 4 \\ - 432 = 300 + 30 + 2 \\ \hline \qquad \qquad \qquad 800 + 110 + 6 \\ \hline \end{array}$$

$$800 + 110 + 6 = 916$$

