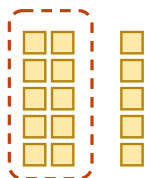


Addition with Regrouping: How It Works

When the ones add up to 10 or more, trade ten ones for one ten.

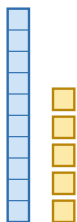
Too many ones? Trade ten of them for one ten

In $47 + 28$, the ones are 7 and 8.



15 ones

10 of them make a ten



1 ten and 5 ones

7 ones + 8 ones = 15 ones.

Only 9 ones fit in the ones place.

So trade 10 ones for 1 ten.

This trade is called regrouping.

The steps

1. Add the ones

$$\begin{array}{r} 47 \\ + 28 \\ \hline \end{array}$$

$7 + 8 = 15$
That is more than 9.

2. Regroup

$$\begin{array}{r} 1 \\ 47 \\ + 28 \\ \hline 5 \end{array}$$

Write 5 in the ones.
Put 1 ten above the tens.

3. Add the tens

$$\begin{array}{r} 1 \\ 47 \\ + 28 \\ \hline 75 \end{array}$$

$1 + 4 + 2 = 7$
The answer is 75.

Do I need to regroup? Add the ones and see.

$$34 + 25 \rightarrow 4 + 5 = 9$$

$\rightarrow$ 9 or less: no regrouping

$$34 + 28 \rightarrow 4 + 8 = 12$$

$\rightarrow$ 10 or more: regroup

Watch out

Only one digit fits in each place. Do not write 15 under the ones.

$47 + 28$ is not 615. Write the 5, and move the 1 ten over to the tens.

Always start with the ones, then do the tens.