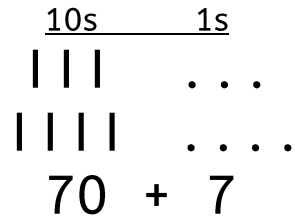


Add

10s and 1s set out in columns

33 + 44 = 77 looks like this



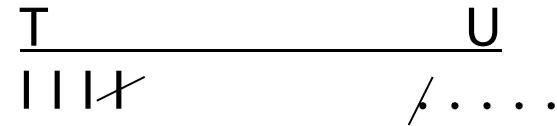
As soon as pupils are secure with this, they can set out additions in columns like this:

$$\begin{array}{r} 33 \\ + 44 \\ \hline \end{array}$$

Subtract

10s and 1s set out on columns grid

Show subtraction by crossing out, so that 45 - 11 = 34 looks like



Subtractions like 45 - 36 which involve decomposition are introduced with Dienes (Base 10) apparatus as a problem-solving activity.

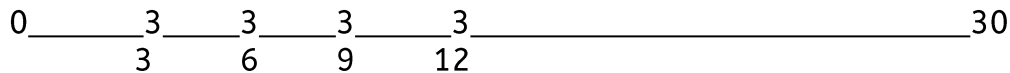
Multiply

Count in 2s 3s 5s 10s

Use arrays to show that 4 x 2 is also 2 x 4

.....
.....

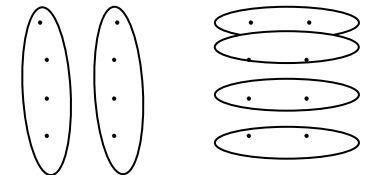
Use number lines to show "three four times"



Divide

Sharing AND grouping taught first in Y2

Use arrays to show 8 ÷ 4 = 2



Introduce remainders: 7 ÷ 3 = 2 r1

