

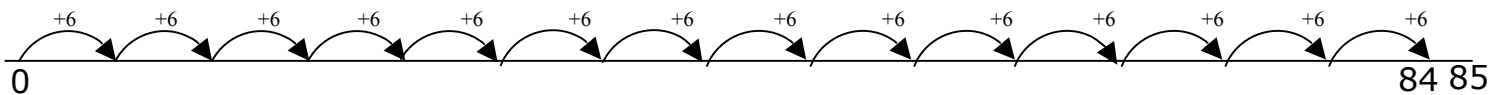
Division by 'chunking' (1)

(2 digit by 1 digit – number line)

Today your child's homework involves calculating/solving problems, using 'chunking' to divide on a number line. This is a method that builds on division as counting up in multiples of the divisor (the number you are dividing by) and allows them to see easily what is being done.

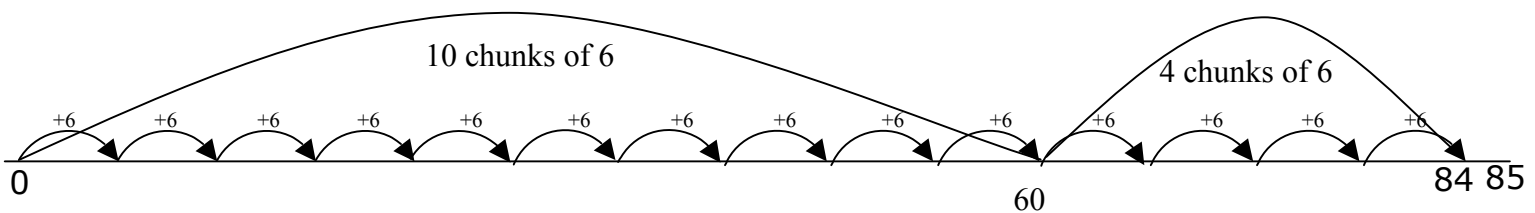
Example: If we want 6 eggs in a box, how many boxes can be filled with 85 eggs?

So we need $85 \div 6$. What this calculation means is '**How many sixes are there in 85?**' One way to do this is to count up in sixes a group at a time, as you would when filling the boxes, but this would be very time-consuming for calculations.



We need to think about easy, but bigger 'chunks' of 6 such as $6 \times 10 (60)$. This then makes the addition both easier and quicker.

Below we see the calculation represented on a number line with the bigger 'chunks' shown. First the 10 chunks of 6 are added as 60 then a further 4 chunks of 6 (24) are added to total 84, leaving 1 egg spare. This is obviously not enough to fill a further box so **14 boxes can be filled.**



This recording can be simplified to

