Written Division 'Bus Stop' Method

594 ÷ 7

We set the sum out like this:

7)594

How many 7s will go into 5?

Answer: 0 remainder 5

Carry the remainder 5 into the next column How many 7s will go into 59?

Answer: 8 remainder 3

Carry the remainder 3 into the next column How many 7s will go into 34?

Answer: 4 remainder 6

The answer is 84 remainder 6

Which can now be written as $84\frac{6}{7}$

 $8093 \div 17$

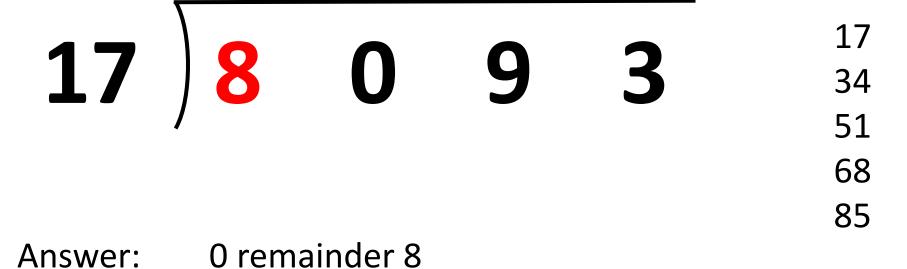
Now we will look at dividing by larger numbers.

17)8093

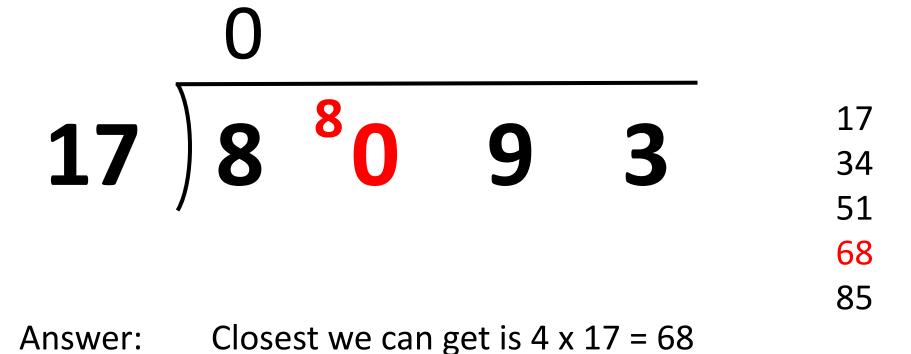
Answer:

We encourage pupils to jot down the first 5 numbers of the 17 times table.

How many 17s go into 8?



How many 17s go into 80?



so 4 remainder 12

How many 17s go into 129?

We need to extend the 17 times table a few more times

	0 4	
47	8 0 12 0 0	17
17	8 0 12 3	34
4		51
		68
		85
Answer:	Closest we can get is $7 \times 17 = 119$	102
	so 7 remainder 10	119

How many 17s go into 103?

	0 4 7	
47	8 0 12 9 10 3	- 17
1/	18 U 9 3	34
		51
		68
		85
Answer:	Closest we can get is $6 \times 17 = 10$	102
	so 6 remainder 1	119

The answer is 476 remainder 1