



# Formal Written Method of Short Division

3 Digit Numbers



$$145 \div 5 = 29$$

0 2 9

$$\begin{array}{r} 5 \overline{) 145} \\ \underline{5} \phantom{0} \\ 14 \phantom{0} \\ \underline{10} \phantom{0} \\ 45 \\ \underline{45} \\ 0 \end{array}$$

How many 5s are there in 1?

How many are left over?

How many 5s are there in 14?

How many are left over?

How many 5s are there in 45?

$$670 \div 5 = 134$$

	1	3	4
5	6	7	0

The diagram shows a long division problem. The divisor is 5, and the dividend is 670. The quotient is 134. The numbers 1, 3, and 4 are highlighted in green boxes above the quotient line. The numbers 6, 7, and 0 are in the dividend. Small boxes with the numbers 1 and 2 are placed above the 7 and 0 respectively, indicating the steps of the division process.

How many 5s are there in 6?

How many are left over?

How many 5s are there in 17?

How many are left over?

How many 5s are there in 20?

$$362 \div 2 = 181$$

1 8 1

2  $\overline{) 3 \overset{1}{\square} 6 \overset{\square}{\square} 2}$

How many 2s are there in 3?

How many are left over?

How many 2s are there in 16?

How many are left over?

How many 2s are there in 2?

$$608 \div 2 = 304r1$$

3	0	4r1
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$$\begin{array}{r} 2 \overline{) 6 \square 0 \square 9} \end{array}$$

How many 2s are there in 6?

How many are left over?

How many 2s are there in 0?

How many are left over?

How many 2s are there in 9?

Is there a remainder?

$$266 \div 3 = 88r2$$

0 8 8r2

$$\begin{array}{r} 3 \overline{) 266} \\ \underline{6} \phantom{0} \\ 26 \phantom{0} \\ \underline{24} \phantom{0} \\ 26 \\ \underline{24} \\ 2 \end{array}$$

How many 3s are there in 2?

How many are left over?

How many 3s are there in 26?

How many are left over?

How many 3s are there in 266?

Is there a remainder?

