

# Long Division

Formal Division of 4-Digit Numbers by 2-Digit Numbers



Complete the following calculation:

$$2544 \div 12$$

Go onto the next slide to see the division process for this calculation.

$$\begin{array}{r}
 \phantom{12} \overline{) 2544} \\
 \phantom{12} \underline{- 24} \phantom{0} \\
 \phantom{12} \phantom{0} 1 \phantom{0} \\
 \phantom{12} \phantom{0} \underline{- 12} \phantom{0} \\
 \phantom{12} \phantom{0} \phantom{0} 2 \phantom{0} \\
 \phantom{12} \phantom{0} \phantom{0} \underline{24} \phantom{0} \\
 \phantom{12} \phantom{0} \phantom{0} \phantom{0} 0 \phantom{0}
 \end{array}$$

Let's start with 2544. We can divide 2544 by 12 to get 212. We can check this by multiplying 12 by 212 to get 2544.

Complete the following calculation:

$$7397 \div 13$$

Go onto the next slide to see the division process for this calculation.

$$\begin{array}{r}
 \phantom{13} \overline{) 569} \\
 \underline{13 \phantom{00}} 7397 \\
 \phantom{13} \phantom{00} \underline{- 65} \phantom{00} \\
 \phantom{13} \phantom{00} \phantom{00} 8 \phantom{00} \\
 \phantom{13} \phantom{00} \phantom{00} \underline{- 78} \phantom{00} \\
 \phantom{13} \phantom{00} \phantom{00} \phantom{00} 11 \phantom{00} \\
 \phantom{13} \phantom{00} \phantom{00} \phantom{00} \underline{11} \phantom{00} \\
 \phantom{13} \phantom{00} \phantom{00} \phantom{00} \phantom{00} 7 \phantom{00}
 \end{array}$$

Let's start with the number 569. We divide 569 by 13. The quotient is 43 and the remainder is 7.

Complete the following calculation:

$$4712 \div 31$$

Go onto the next slide to see the division process for this calculation.

$$\begin{array}{r}
 \phantom{31} \overline{) 152} \\
 31 \overline{) 4712} \\
 \underline{- 31} \phantom{00} \\
 16 \phantom{00} \\
 \underline{- 155} \phantom{00} \\
 6 \phantom{00} \\
 62
 \end{array}$$

Let's start by dividing the number by the divisor. We divide 4712 by 31 and get 152 as the quotient.

Complete the following calculation:

$$4005 \div 89$$

Go onto the next slide to see the division process for this calculation.





