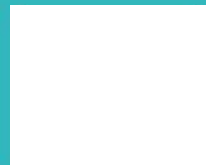


Long Division

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.

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

Let's start with 2544. We'll divide 2544 by 12. We'll get 212. We'll get 212.

Complete the following calculation:

$$7397 \div 13$$

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

$$\begin{array}{r} 569 \\ 13 \overline{) 7397} \\ \underline{- 65} \\ 8 \\ \underline{- 78} \\ 11 \\ \underline{117} \end{array}$$

Let's start with the first number, 569. It is a three-digit number.

Complete the following calculation:

$$4712 \div 31$$

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

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

Let's start with the given number. We pick the number that is closest to the given number.

Complete the following calculation:

$$4005 \div 89$$

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

$$\begin{array}{r}
 \overline{) 4005} \\
 \underline{40} \\
 \underline{356} \\
 \underline{44} \\
 445
 \end{array}$$

Let's start by dividing the first two digits of the dividend, 40, by the divisor, 89. We can't divide 40 by 89, so we try the first three digits, 400. We can divide 400 by 89, so we start with 4. We multiply 89 by 4 to get 356. We subtract 356 from 400 to get 44. We bring down the next digit, 5, to get 445. We can divide 445 by 89, so we start with 5. We multiply 89 by 5 to get 445. We subtract 445 from 445 to get 0. The quotient is 445.

