<https://www.mathsisfun.com/long_division.html>

Let's see how it is done with:

stickPicture.png

the number to be divided into is called the **dividend**

The number which divides the other number is called the **divisor**

*And here we go:*

|  |  |  |
| --- | --- | --- |
| stickPicture.png | 4 ÷ 25 = 0 remainder 4 | The first digit of the  **dividend**  (4) is divided by the  **divisor**  . |
| image.png |  | The whole number result is placed at the top. Any remainders are ignored at this point. |
| image.png | 25 × 0 = 0 | The answer from the first operation is  **multiplied**  by the  **divisor**  . The result is placed under the number divided into. |
| image.png | 4 − 0 = 4 | Now we  **subtract**  the bottom number from the top number. |
| image.png |  | Bring down the next digit of the  **dividend**  . |
| image.png | 42 ÷ 25 = 1 remainder 17 | **Divide**  this number by the  **divisor**  . |
| image.png |  | The whole number result is placed at the top. Any remainders are ignored at this point. |
| image.png | 25 × 1 = 25 | The answer from the above operation is  **multiplied**  by the  **divisor**  . The result is placed under the last number divided into. |
| image.png | 42 − 25 = 17 | Now we  **subtract**  the bottom number from the top number. |
| image.png |  | Bring down the next digit of the  **dividend**  . |
| image.png | 175 ÷ 25 = 7 remainder 0 | **Divide**  this number by the  **divisor**  . |
| image.png |  | The whole number result is placed at the top. Any remainders are ignored at this point. |
| image.png | 25 × 7 = 175 | The answer from the above operation is  **multiplied**  by the  **divisor**  . The result is placed under the number divided into. |
| image.png | 175 − 175 = 0 | Now we  **subtract**  the bottom number from the top number. |
|  |  | **There are no more digits to bring down. The answer must be 17** |