Division with Remainder

Let's learn the long division with remainder.

Follow these steps to solve the problems:

Divide 27 by 4.

Step 1: First we arrange the numerals at right place.

$$4 \overline{)\,27}$$

Step 2: From the multiplication table of 4, we have

4 × 6 = 24 < 27

So, here dividend is 27 and 6 is quotient. Write 24 below 27.

$$4 \overline{)\,27} \quad \begin{array}{r} 6 \\ -24 \end{array}$$

Step 3: We subtract 24 from 27.

27 – 24 = 3

$$4 \overline{)\,27} \quad \begin{array}{r} 6 \\ -24 \\ \hline 3 \end{array}$$

Hence, quotient = 6 and remainder = 3.