

Place the First Digit

Divide. $763 \div 3 = \blacksquare$

Step 1 Estimate. Then divide the hundreds.

Think: 3×1 hundred = 3 hundreds

3×2 hundreds = 6 hundreds

3×3 hundreds = 9 hundreds

3×3 **hundreds** is greater than 7 hundreds.

Use **2 hundreds** as an estimate.

$$\begin{array}{r} 2 \quad \leftarrow \text{Divide 7 hundreds by 3.} \\ 3 \overline{)763} \\ - 6 \quad \leftarrow \text{Multiply. } 3 \times 2 \text{ hundreds} \\ \hline 1 \quad \leftarrow \text{Subtract.} \end{array}$$

Step 2 There is 1 hundred left over. Regroup 1 hundred, now there are 16 tens. Divide the tens.

$$\begin{array}{r} 2 \\ 3 \overline{)763} \\ - 6 \downarrow \\ \hline 16 \quad \leftarrow 16 \text{ tens} \end{array}$$

$$\begin{array}{r} 25 \quad \leftarrow \text{Divide 16 tens by 3.} \\ 3 \overline{)763} \\ - 6 \quad \leftarrow \text{Multiply. } 3 \times 5 \text{ tens} \\ \hline 16 \quad \leftarrow \text{Subtract.} \\ - 15 \\ \hline 1 \end{array}$$

Step 3 There is 1 ten left over. Regroup 1 ten, now there are 13 ones. Divide the ones.

$$\begin{array}{r} 25 \\ 3 \overline{)763} \\ - 6 \downarrow \\ \hline 16 \\ - 15 \downarrow \\ \hline 13 \quad \leftarrow 13 \text{ ones} \end{array}$$

$$\begin{array}{r} 254 \quad \leftarrow \text{Divide 13 ones by 3.} \\ 3 \overline{)763} \\ - 6 \quad \leftarrow \text{Multiply. } 3 \times 4 \text{ ones} \\ \hline 16 \\ - 15 \\ \hline 1 \quad \leftarrow \text{Subtract.} \end{array}$$

Step 4 Check to make sure that the remainder is less than the divisor. Write the answer.

$$\begin{array}{r} 254 \text{ r}1 \quad 1 < 3 \\ 3 \overline{)763} \end{array}$$

Divide.

1 $2 \overline{)531}$

2 $4 \overline{)628}$

3 $9 \overline{)349}$

4 $7 \overline{)794}$