13 3-Digit Number by a 1-Digit Number

Here's How

Find the quotient.

Divide 615 by 3.
$615 \div 3 = ?$
First, make an estimate. Think: How many threes are in 6?

$$\begin{array}{r} 2 \\ 3\overline{)6\,1\,5} \\ -6\downarrow \\ \hline 0\,1 \end{array}$$

There are 3 threes in 6.
Write 2 above the 6.
Multiply 2 and 3.
Subtract and bring down the next number, which is 1.

$$\begin{array}{r} 20 \\ 3\overline{)6\,1\,5} \\ -6\downarrow \\ \hline 1\,5 \end{array}$$

You cannot divide 1 by 3, so write 0 above the 1. Bring down the next number, which is 5.

$$\begin{array}{r} 205 \\ 3\overline{)6\,1\,5} \\ -6 \\ \hline 1\,5 \\ -1\,5 \\ \hline 0 \end{array}$$
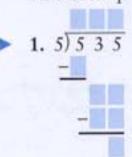
There are 5 threes in 15, since $5 \times 3 = 15$.
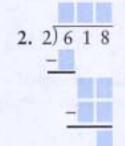Write the 5 above the 5.
Multiply 5 and 3.
Subtract.

The **quotient** of **615 divided by 3** is **205**.

Try These

When you cannot divide, write a zero in the quotient and bring down the next digit.

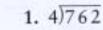Find each quotient.

1. $5\overline{)5\,3\,5}$

2. $2\overline{)6\,1\,8}$

3. $4\overline{)4\,3\,2}$

Go Ahead

Find each quotient.

Work these carefully.
Remember to put a
zero in the quotient if
you cannot divide. ▶

1. $4\overline{)762}$

2. $3\overline{)721}$

3. $5\overline{)534}$

4. $6\overline{)654}$

5. $8\overline{)849}$

6. $2\overline{)811}$

7. $9\overline{)929}$

8. $7\overline{)845}$

9. $5\overline{)653}$

10. $8\overline{)827}$

11. $6\overline{)723}$

12. $9\overline{)918}$

13. In a relay race four runners ran a total of 420 yards.
Each runner ran the same distance. How many
yards did each runner run?

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