

# Divide by 2-Digit and 3-Digit Divisors

Divide  $31 \overline{)1,671}$ .

$$\begin{array}{r} 5 \\ 31 \overline{)1,671} \\ \underline{-155} \phantom{1} \\ 121 \end{array}$$

You cannot divide 1 by 31.  
You cannot divide 16 by 31.  
But you can divide 167 by 31.  
The first digit in the quotient  
will be in the tens place.

$$\begin{array}{r} 5 \\ 31 \overline{)1,671} \\ \underline{-155} \phantom{1} \\ 121 \end{array}$$

$167 \div 31$  is about 5. Write the 5  
above the tens digit of the  
dividend. Multiply:  $5 \times 31 = 155$   
Subtract  $167 - 155 = 12$ .  
Compare the difference to the  
divisor:  $12 < 31$   
Bring down the next digit of the  
dividend.

$$\begin{array}{r} 54 \\ 31 \overline{)1,671} \\ \underline{-155} \phantom{1} \\ 121 \end{array}$$

$121 \div 31$  is about 4.  
Multiply  $4 \times 31 = 124$ .  
You cannot subtract because  
 $124 > 121$ .

$$\begin{array}{r} 53 \text{ R}28 \\ 31 \overline{)1,671} \\ \underline{-155} \phantom{1} \\ 121 \\ \underline{-93} \\ 28 \end{array}$$

Try a lesser number in the divisor.  
Multiply  $3 \times 31 = 93$ .  
Subtract  $121 - 93 = 28$ .  
Compare the difference to the  
divisor:  $28 < 31$   
There are no more digits in the  
dividend, so write the remainder.

16.  $1,204 \div 33 =$  \_\_\_\_\_
17.  $9,649 \div 384 =$  \_\_\_\_\_
18.  $61,129 \div 295 =$  \_\_\_\_\_
19.  $6,720 \div 45 =$  \_\_\_\_\_
20.  $49,201 \div 70 =$  \_\_\_\_\_
21.  $6,639 \div 762 =$  \_\_\_\_\_
22.  $45,488 \div 96 =$  \_\_\_\_\_
23.  $36,289 \div 54 =$  \_\_\_\_\_
24.  $49,205 \div 847 =$  \_\_\_\_\_
25.  $96,878 \div 42 =$  \_\_\_\_\_

## Problem Solving

26. Members of the Bladerunners skating club collected \$4,320 from car washes, raffles, and donations. They want to buy Ultrablade skates, which are \$89 a pair. How many pairs of skates will they be able to buy?
- \_\_\_\_\_
27. A device on Toya's bike shows that the wheels make 773 revolutions during each mile she rides. If the wheels on Toya's bike revolve 11,595 times, how many miles has Toya ridden?
- \_\_\_\_\_