

# 1-Digit Quotients

Find  $436 \div 53$ .

To find the answer, first estimate the quotient.

Think:  $400 \div 50 = 8$  or  $450 \div 50 = 9$ 

Try 9:

$$\begin{array}{r} 9 \\ 53 \overline{)436} \\ \underline{-477} \end{array}$$

Write 9 in the ones place.

Multiply,  $9 \times 53 = 477$ . $477 > 436$ .

This estimate is too high.

Try 8:

$$\begin{array}{r} 8 \\ 53 \overline{)436} \\ \underline{-424} \\ 12 \end{array}$$

Write 8 in the ones place.

Multiply,  $8 \times 53 = 424$ .Subtract,  $436 - 424 = 12$ .Compare,  $12 < 53$ . Write the remainder in the quotient.

$436 \div 53 = 8 \text{ R}12$

Check:

$8 \times 53 = 424$

$424 + 12 = 436$

Complete.

1.  $\begin{array}{r} 7 \text{ R} \\ 32 \overline{)245} \end{array}$

2.  $\begin{array}{r} \text{R}12 \\ 64 \overline{)332} \end{array}$

3.  $\begin{array}{r} \text{R} \\ 51 \overline{)489} \end{array}$

Divide. Check by multiplying.

4.  $49 \overline{)216}$

5.  $79 \overline{)698}$

6.  $25 \overline{)194}$

7. Explain how you know the answer to the problem below has an error.

$$\begin{array}{r} 2 \text{ R}86 \\ 77 \overline{)240} \\ \underline{-154} \\ 86 \end{array}$$

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