

Name \_\_\_\_\_

Date \_\_\_\_\_

1. Divide. Then, check using multiplication. The first one is done for you.

a.  $487 \div 21$

$$\begin{array}{r} 23 \text{ R}4 \\ 21 \overline{) 487} \\ \underline{- 42} \phantom{0} \\ 67 \\ \underline{- 63} \\ 4 \end{array}$$

Check:

$21 \times 23 = 483$

$483 + 4 = 487$

b.  $485 \div 15$

$$\begin{array}{r} 32 \text{ R}5 \\ 15 \overline{) 485} \\ \underline{- 45} \phantom{0} \\ 35 \\ \underline{- 30} \\ 5 \end{array}$$

Check:

$$\begin{array}{r} 32 \\ \times 15 \\ \hline 480 \end{array} \quad \begin{array}{r} 480 \\ + 5 \\ \hline 485 \end{array}$$



c.  $700 \div 21$

$$\begin{array}{r} 33 \text{ R}7 \\ 21 \overline{) 700} \\ \underline{- 63} \phantom{0} \\ 70 \\ \underline{- 63} \\ 7 \end{array}$$

Check:

$$\begin{array}{r} 33 \\ \times 21 \\ \hline 693 \end{array} \quad \begin{array}{r} 693 \\ + 7 \\ \hline 700 \end{array}$$



d.  $399 \div 31$

$$\begin{array}{r} 12 \text{ R}27 \\ 31 \overline{) 399} \\ \underline{- 31} \phantom{0} \\ 89 \\ \underline{- 62} \\ 27 \end{array}$$

Check:

$$\begin{array}{r} 31 \\ \times 12 \\ \hline 372 \end{array} \quad \begin{array}{r} 372 \\ + 27 \\ \hline 399 \end{array}$$



e.  $820 \div 42$

$$\begin{array}{r} 19 \text{ R}22 \\ 42 \overline{)820} \\ \underline{-42} \phantom{0} \\ 400 \\ \underline{-378} \\ 22 \end{array}$$

Check:

$$\begin{array}{r} 42 \\ \times 19 \\ \hline 798 \end{array} \quad \begin{array}{r} 798 \\ + 22 \\ \hline 820 \end{array} \quad \checkmark$$

f.  $908 \div 56$

$$\begin{array}{r} 16 \text{ R}12 \\ 56 \overline{)908} \\ \underline{-56} \phantom{0} \\ 348 \\ \underline{-336} \\ 12 \end{array}$$

Check:

$$\begin{array}{r} 56 \\ \times 16 \\ \hline 896 \end{array} \quad \begin{array}{r} 896 \\ + 12 \\ \hline 908 \end{array} \quad \checkmark$$

2. When dividing 878 by 31, a student finds a quotient of 28 with a remainder of 11. Check the student's work, and use the check to find the error in the solution.

$$\begin{array}{r} 28 \text{ R}11 \\ 31 \overline{)878} \\ \underline{62} \phantom{0} \\ 258 \\ \underline{-248} \\ 10 \end{array}$$

Check

$$\begin{array}{r} 31 \\ \times 28 \\ \hline 868 \end{array} \quad \begin{array}{r} 868 \\ + 10 \\ \hline 878 \end{array}$$

The remainder should be 10, not 11.