

Lesson 1.4 Multi-Digit Division

983 is between 840 (28×30) and 1120 (28×40), so the tens digit is 3.

$$\begin{array}{r} 3 \\ 28 \overline{)983} \\ - 840 \\ \hline 143 \end{array} \quad \text{subtract}$$

143 is between 140 (28×5) and 168 (28×6), so the ones digit is 5.

$$\begin{array}{r} 35 \text{ r}3 \\ 28 \overline{)983} \\ - 840 \\ \hline 143 \\ - 140 \\ \hline 3 \end{array} \quad \begin{array}{l} \text{subtract} \\ \text{subtract} \\ \text{remainder} \end{array}$$

Divide.

1. **a**

$$18 \overline{)94} \quad \begin{array}{l} 5 \\ 2/9 \end{array}$$

b

$$27 \overline{)68} \quad \begin{array}{l} 2 \\ 14/27 \end{array}$$

c

$$22 \overline{)88} \quad \begin{array}{l} 4 \end{array}$$

d

$$19 \overline{)78} \quad \begin{array}{l} 4 \\ 2/19 \end{array}$$

e

$$25 \overline{)64} \quad \begin{array}{l} 2 \\ 14/25 \end{array}$$

2. $43 \overline{)88} \quad \begin{array}{l} 2 \\ 2/43 \end{array}$

$12 \overline{)84} \quad \begin{array}{l} 7 \end{array}$

$32 \overline{)865} \quad \begin{array}{l} 27 \\ 1/32 \end{array}$

$24 \overline{)768} \quad \begin{array}{l} 32 \end{array}$

$31 \overline{)913} \quad \begin{array}{l} 29 \\ 14/31 \end{array}$

3. $27 \overline{)815} \quad \begin{array}{l} 30 \\ 5/27 \end{array}$

$54 \overline{)725} \quad \begin{array}{l} 13 \\ 23/54 \end{array}$

$45 \overline{)880} \quad \begin{array}{l} 19 \\ 5/9 \end{array}$

$23 \overline{)615} \quad \begin{array}{l} 26 \\ 17/23 \end{array}$

$18 \overline{)324} \quad \begin{array}{l} 18 \end{array}$