

Name: Class:

Dividse multi - digit numbers by 1-digit numbers

Divide the following using the long division method.

a. $200 \div 4$

b. $155 \div 4$

c. $502 \div 5$



d. $24,504 \div 3$

e. $85\,597 \div 9$

f. $14,215 \div 5$



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Dividse multi - digit numbers by 1-digit numbers

Divide the following using the long division method.

a. $200 \div 4$

$$\begin{array}{r} 50 \\ 4 \overline{) 200} \\ \underline{- 20} \\ 00 \\ \underline{- 0} \\ 0 \end{array}$$

So, $200 \div 4 = 50$

b. $155 \div 4$

$$\begin{array}{r} 38 \\ 4 \overline{) 155} \\ \underline{- 12} \\ 35 \\ \underline{- 32} \\ 3 \end{array} \leftarrow \text{the remainder}$$

So, $155 \div 4 = 38 \text{ R } 3$

c. $502 \div 5$

$$\begin{array}{r} 100 \\ 5 \overline{) 502} \\ \underline{- 5} \\ 00 \\ \underline{- 0} \\ 02 \\ \underline{- 0} \\ 2 \end{array} \leftarrow \text{the remainder}$$

So, $502 \div 5 = 100 \text{ R } 2$

d. $24,504 \div 3$

$$\begin{array}{r} 8,168 \\ 3 \overline{) 24,504} \\ \underline{- 24} \\ 05 \\ \underline{- 3} \\ 20 \\ \underline{- 18} \\ 24 \\ \underline{- 24} \\ 0 \end{array}$$

So, $24,504 \div 3 = 8,168$

e. $85,597 \div 9$

$$\begin{array}{r} 9,510 \\ 9 \overline{) 85,597} \\ \underline{- 81} \\ 45 \\ \underline{- 45} \\ 09 \\ \underline{- 9} \\ 07 \\ \underline{- 0} \\ 7 \end{array} \leftarrow \text{the remainder}$$

So, $85,597 \div 9 = 9,510 \text{ R } 7$

f. $14,215 \div 5$

$$\begin{array}{r} 2,843 \\ 5 \overline{) 14,215} \\ \underline{- 10} \\ 42 \\ \underline{- 40} \\ 21 \\ \underline{- 20} \\ 15 \\ \underline{- 15} \\ 0 \end{array}$$

So, $14,215 \div 5 = 2,843$