

# Dividing 3- and 4-digit numbers by 1-digit numbers (I) (Answers)

## Part A

Divide any remainders to give fractions.

$$1) \quad 733 \div 3 = 244 \frac{1}{3}$$

$$\begin{array}{r} 244 \text{ r } 1 \\ 3 \overline{) 733} \\ \underline{6} \phantom{0} \\ 13 \\ \underline{12} \\ 13 \\ \underline{12} \\ 1 \end{array}$$

$$4) \quad 6326 \div 4 = 1581 \frac{1}{2}$$

$$\begin{array}{r} 1581 \text{ r } 2 \\ 4 \overline{) 6326} \\ \underline{4} \phantom{0} \\ 23 \\ \underline{20} \\ 32 \\ \underline{32} \\ 6 \\ \underline{4} \\ 2 \end{array}$$

$$2) \quad 946 \div 6 = 157 \frac{2}{3}$$

$$\begin{array}{r} 157 \text{ r } 4 \\ 6 \overline{) 946} \\ \underline{6} \phantom{0} \\ 34 \\ \underline{30} \\ 46 \\ \underline{42} \\ 4 \end{array}$$

$$5) \quad 3142 \div 4 = 785 \frac{1}{2}$$

$$\begin{array}{r} 785 \text{ r } 2 \\ 4 \overline{) 3142} \\ \underline{3} \phantom{0} \\ 14 \\ \underline{12} \\ 22 \\ \underline{20} \\ 2 \end{array}$$

$$3) \quad 4783 \div 4 = 1195 \frac{3}{4}$$

$$\begin{array}{r} 1195 \text{ r } 3 \\ 4 \overline{) 4783} \\ \underline{4} \phantom{0} \\ 78 \\ \underline{72} \\ 83 \\ \underline{80} \\ 3 \end{array}$$

$$6) \quad 3784 \div 5 = 756 \frac{4}{5}$$

$$\begin{array}{r} 756 \text{ r } 4 \\ 5 \overline{) 3784} \\ \underline{3} \phantom{0} \\ 78 \\ \underline{75} \\ 34 \\ \underline{30} \\ 4 \end{array}$$

## Part B

$$1) \quad \text{Exactly how many weeks in 365 days? } 365 \div 7 = 52 \frac{1}{7}$$

$$\begin{array}{r} 52 \text{ r } 1 \\ 7 \overline{) 365} \\ \underline{35} \phantom{0} \\ 15 \\ \underline{14} \\ 1 \end{array}$$

$$2) \quad \text{How many packs of 4 chocolate bars can be made using 535 bars? } 535 \div 4 = 133 \frac{3}{4} \quad \text{rounded down to 133 packs}$$

$$\begin{array}{r} 133 \text{ r } 3 \\ 4 \overline{) 535} \\ \underline{4} \phantom{0} \\ 13 \\ \underline{12} \\ 15 \\ \underline{12} \\ 3 \end{array}$$

$$3) \quad \text{How many packs of 6 eggs need to be bought if 253 eggs are needed? } 253 \div 6 = 42 \frac{1}{6} \quad \text{rounded up to 43 packs}$$

$$\begin{array}{r} 42 \text{ r } 1 \\ 6 \overline{) 253} \\ \underline{24} \phantom{0} \\ 13 \\ \underline{12} \\ 1 \end{array}$$

$$4) \quad \text{If a piece of material measuring 562 cm long is divided into 4 equal lengths to make curtains, how long is each length?}$$

$$562 \text{ cm} \div 4 = 140.5 \text{ cm}$$

$$\begin{array}{r} 140 \text{ r } 2 \\ 4 \overline{) 562} \\ \underline{4} \phantom{0} \\ 16 \\ \underline{16} \\ 2 \end{array}$$