

Dividing by a single digit – the bus-stop method

MODULE 2 · OPERATIONS AND COMPUTATIONAL FLUENCY NUMBER

The **bus-stop method** is a written way to divide. Write the divisor outside the bus stop and the dividend inside. Divide each digit from left to right, carrying any remainder to the next column.

$$\begin{array}{r} 42 \\ 4 \overline{) 168} \end{array}$$

168 ÷ 4 (THE BUS-STOP METHOD)

$$\begin{array}{r} 42 \\ 4 \overline{) 168} \end{array}$$

- 1 $1 \div 4 = 0$ with 1 left over — carry it to make 16.
- 2 $16 \div 4 = 4$. $8 \div 4 = 2$. Answer: 42.

WARM-UP

a. $30 \div 2 =$

b. $185 \div 5 =$

c. $184 \div 4 =$

d. $441 \div 9 =$

PRACTICE

- 1 5th class have raised €1764 from their cake sale for a trip to the cinema in Galway. The money is shared equally across the 9 classroom groups to pay for snacks and admission. How much does each group receive?
- 2 5th class have made 750 paper bookmarks to decorate the classroom for World Book Day. They share the bookmarks equally between 5 long display strings. How many bookmarks go on each string?

SPOT THE MISTAKE

Niamh works out $408 \div 4$ like this:

$$\begin{array}{r} 12 \\ 4 \overline{) 408} \end{array}$$

Niamh dropped a digit. What is the correct answer?