

DIVISION WITH REMAINDER

- 1 How many 5s fit into 17? Count 5, 10, 15: that is **3** groups.
- 2 15 taken from 17 leaves **2**.
- 3 Check: **2** is smaller than 5, so the remainder is correct.

$$5 \overline{) 17} \begin{array}{r} 3 \text{ r } 2 \\ 15 \\ \hline 2 \end{array}$$

WARM-UP

Use the blank bus-stop frames to work each division. Write only on the answer line and carry strip.

$$\begin{array}{r} \\ 8 \overline{) 19} \\ \end{array} \quad \begin{array}{r} \\ 4 \overline{) 26} \\ \end{array} \quad \begin{array}{r} \\ 6 \overline{) 34} \\ \end{array}$$

1. Fill the frame for $19 \div 8$
2. Fill the frame for $26 \div 4$
3. Fill the frame for $34 \div 6$

PRACTICE

- 1 Mum has **23** stickers to share equally among **5** children. How many does each child get, and how many are left over?
- 2 Grandad shares **14** apples equally among his **3** grandchildren. How many each, and how many are left over?
- 3 Sara divides **11** buns equally among **3** friends at her party. How many buns each, and how many are left over?
- 4 Dad packs **30** sandwiches equally into **4** lunchboxes for the family. How many in each box, and how many are left over?

SPOT THE MISTAKE

Oisín works out $23 \div 5$ like this:

$$\begin{array}{l} 5 \times 4 = 20 \\ 23 - 20 = 3 \\ \text{So } 23 \div 5 = 4 \text{ remainder } 5 \end{array}$$

Oisín's remainder is wrong. What is the correct answer?

REFLECT

What does a remainder tell you, and why must it always be smaller than the divisor?