

DIVISION WITH REMAINDER

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

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

WARM-UP

Use the squared space to set out and work each division as ' $\square$ remainder $\square$ '.

Working



- Work $17 \div 5$ and write it as $\square$ remainder $\square$.
- Work $26 \div 4$ and write it as $\square$ remainder $\square$.
- Work $34 \div 6$ and write it as $\square$ remainder $\square$, then check each remainder is smaller than the divisor.

PRACTICE

- Mum has **17** stickers to share equally among **5** children. How many does each child get, and how many are left over?
- Dad packs **26** 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?

IRISH FACT Sliotars left over

Sliotars often come in boxes of **12**. A club with **50 sliotars** fills **4 full boxes** and has **2 left over** — the remainder is always smaller than the **12** in each box.

Typical GAA equipment packing



REFLECT

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