

LONG DIVISION STEPS FOR 884 DIVIDED BY 17

- 1 Estimate the first digit: 17 into 88 goes 5 times, write 5 above the 8.
- 2 Multiply 5 by 17 to get 85, subtract from 88 to leave 3.
- 3 Bring down the 4 to make 34.
- 4 17 into 34 goes 2 times, write 2 above the 4.
- 5 Multiply 2 by 17 to get 34, subtract to leave 0.

 WARM-UP

Work each long division in its blank bus-stop frame. Write only on the empty answer line above the roof.

$$\begin{array}{r} 22 \overline{) 836} \\ \square \end{array}$$

$$\begin{array}{r} 16 \overline{) 672} \\ \underline{672} \\ 0 \end{array}$$

$$\begin{array}{r} \\ 24 \overline{) 864} \\ \end{array}$$

1. Complete the frame for $836 \div 22$
2. Complete the frame for $672 \div 16$
3. Complete the frame for $864 \div 24$

 PRACTICE

- The GAA club needs to seat **945** supporters using minibuses that hold **21** each.
| 945 divided by 21 = ?
- A hurling team travels **765 kilometres** with each bus covering **15 kilometres** per stop.
| 765 divided by 15 = ?
- In the county final, **837** points were scored over **27** matches.
| 837 divided by 27 = ?
- The stadium holds **1104** fans and fills **23** sections at a time.
| 1104 divided by 23 = ?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. Your first guess at each step of long division turns out to be right. ☐
- b. You must multiply the divisor by your estimate and subtract before bringing down the next digit. ☐
- c. Long division by a two-digit divisor leaves a remainder. ☐
- d. A two-digit divisor goes into a three-digit number more than 100 times. ☐