

Lesson 26 **NUMBER****Dividing by a single digit: the bus-stop method**

CURRICULUM ALIGNMENT

NUM.OPS.4

build upon, select and make use of a range of operation strategies.

INTERACTIVES

Equal Groups (Sharing) · challenge, display, explore

Fact Race · challenge

WHAT THIS LESSON TEACHES

The bus-stop method divides a number by a single digit by sharing each digit from left to right. Any leftover is carried across to the next digit to make the next share.

$$\rightarrow 24 \div 4 = 6$$

$$\rightarrow 87 \div 3 = 29$$

MODEL THIS ON THE BOARD

BUS-STOP FOR $92 \div 5$

- 1 Draw the bus-stop with 5 outside and 92 inside.
- 2 Share the 9 tens into 5: 5 goes into 9 once, write 1 above, leftover 4 tens.
- 3 Carry the 4 to join the 2 units, making 42.
- 4 Share 42 into 5: 5 goes 8 times, write 8 above, leftover 2.
- 5 The quotient is 18 remainder 2.

ANSWER KEY

Scaffold: visual check on the page**Q1:** 14**Q2:** 11**Q3:** 12**Q4:** 13**Spot:**

She missed the 0 in the tens column. $4 \div 4 = 1$, $0 \div 4 = 0$, $8 \div 4 = 2$, so the answer is 102.

EXTENSION SHEET · STRETCH ANSWERS

S1: 852.8**S2:** 686.9**S3:** 983.4**S4:** 129**S5:** 185