TEACHER RESOURCE BOOK · MATHS · 5TH CLASS

Lesson 23 NUMBER

Multiplying by 10, 100, 1000

WHAT THIS LESSON TEACHES

When you multiply by 10, 100 or 1 000, every digit moves to a place that is 10, 100 or 1 000 times bigger. The **digits stay the same — they just move**.

→ **1.9 × 10 = 19** (each digit moves one place to the left).
→ **1.9 × 100 = 190** (two places).
→ **1.9 × 1 000 = 1 900** (three places).

MODEL THIS ON THE BOARD

1.9 × 100

1. Multiplying by 100 means each digit moves two places to the **left**.
2. 1.9 → 19 (moved one place) → 190 (moved two places).
3. Check: 1.9 × 10 = 19, then × 10 again = **190**. ✓

ANSWER KEY

a) 47 × 10 = **470** (47 stays the same; a 0 fills the units).

b) 47 × 100 = **4,700**.

c) 4.7 × 1000 = **4,700** (the decimal point vanishes as the digits shift left of it).

Q1: 747.6

Q2: 2428

Spot: Sean moved the decimal point right but wrote zeros after it instead of moving the digits. 0.6 × 100 = 60 (the 6 moves to the tens place).

EXTENSION SHEET · STRETCH ANSWERS

S1: 761.73

S2: 2387

S3: 952.2