TEACHER RESOURCE BOOK · MATHS · 6TH CLASS

Lesson 38 NUMBER

Problem-solving with discounts and increases

WHAT THIS LESSON TEACHES

A **discount** subtracts a percentage; an **increase** adds one. Find the percentage part, then take it away or add it on.

→ 20% off €50 → 20% = €10 → pay **€40**.
→ A €30 price up 10% → +€3 → **€33**.

MODEL THIS ON THE BOARD

A €45 COAT HAS 20% OFF. WHAT'S THE SALE PRICE?

1. 20% of €45: 10% = €4.50, so 20% = **€9**.
2. Subtract the discount: €45 − €9 = **€36**.

ANSWER KEY

Warm-up: a) 40 b) 80 c) 16 d) 8

Q1: €112.20 (discount: €19.80)

Q2: 210

Q3: €295.09 (discount: €158.90)

Q4: €170

EXTENSION SHEET · STRETCH ANSWERS

S1: €217.59 (discount: €38.40)

S2: 21

S3: €311.94 (discount: €55.05)

S4: €153

S5: €161.70 (discount: €69.30)

Investigation: Hunt for the best deal — open-ended; scan pupils' working for valid solution paths rather than a single answer.