Decimal Multiplication

Core Worksheet

Worked Examples & Guided Practice

I Do (Teacher Model) Work out 0.4×0.6.

We Do (Guided Practice) Work out 3.2×1.5.

You Do (Independent Practice) Work out 0.24×0.03.

Challenge (Extension) A rectangle has length 4.35 cm and width 2.8 cm. Calculate its exact area in cm^2.

Practice Perfect Questions

Q1. Work out 0.3×0.8.

Q2. Work out 1.2×0.5.

Q3. Work out 4.6×2.3.

Q4. Work out 0.07×0.4.

Q5. Petrol costs £1.45 per litre. Calculate the cost of 8.2 litres of petrol.

Q6. Work out 0.15×0.25.

Answers & Worked Solutions

Model Solutions

- **I Do:** $4 \times 6 = 24 \implies 0.4 \times 0.6 = 0.24$
- **We Do:** $32 \times 15 = 480 \implies 3.2 \times 1.5 = 4.8$
- **You Do:** $24 \times 3 = 72 \implies 0.24 \times 0.03 = 0.0072$
- **Challenge:** $435 \times 28 = 12180 \implies 4.35 \times 2.8 = 12.18 \text{ cm}^2$

Practice Perfect Questions Solutions

Q1. 0.24

Q2. 0.6

Q3. 10.58

Q4. 0.028

Q5. £1.45 × 8.2 = £11.89

Q6. 0.0375