

Decimal Fractions (Decimals)

Chapter 4: Decimal Fractions (Decimals) · Topic 1

Key Concept

Multiplying decimals involves multiplying as whole numbers, then placing the decimal point based on the total decimal places in both numbers.

For example, 2.5×1.2 : multiply $25 \times 12 = 300$, then place the decimal point two places from the right, giving 3.00 or 3.

Dividing decimals often involves moving the decimal point in both numbers to make the divisor a whole number before dividing.

Mastering decimal operations is essential for accurate financial calculations, scientific measurements, and everyday problem-solving.

Quick Revision Notes

- Multiply decimals as whole numbers first.
- Then place the decimal point based on total decimal places.
- $5 \times 1.2 = 3.00$ (or 3).
- Dividing decimals involves adjusting the divisor to a whole number.
- This makes division easier.
- Decimal operations matter for money.
- They matter for scientific measurements.
- Practice builds accuracy with decimals.

Practice Questions

- 1 Multiply 3.5×1.5 .
- 2 Divide $8.4 \div 0.2$.
- 3 Solve a money problem using decimal multiplication.
- 4 Discuss how to place the decimal point when multiplying.
- 5 Practice three decimal operation problems.
- 6 Explain why decimal division needs adjustment.