

Decimal Fractions

Chapter 5: Decimal Fractions · Topic 1

Key Concept

Adding or subtracting decimals requires aligning the decimal points before performing the operation, like $3.25+1.5=4.75$.

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

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

Decimal operations are used in everyday situations like calculating money, measurements, and prices with precision.

Quick Revision Notes

- Adding/subtracting: align decimal points.
- Example: $3.25+1.5=4.75$.
- Multiplying: multiply as whole numbers.
- Then place decimal based on total places.
- Dividing: make divisor a whole number first.
- Move decimal points in both numbers.
- Decimals used in money, measurements.
- This ensures precise calculations.

Practice Questions

- 1 Add $4.75+2.3$.
- 2 Subtract $8.6-3.25$.
- 3 Multiply 1.5×3 .
- 4 Divide $6.4\div 0.8$.
- 5 Solve a money calculation using decimals.
- 6 Create your own decimal operation problem.