

# Decimal Fractions (Decimals)

Chapter 15: Decimal Fractions (Decimals) · Topic 1

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## Key Concept

A decimal number, like 4.75, has a whole number part (4) and a decimal part (.75), separated by a decimal point.

We can add, subtract, multiply, and divide decimals, following similar rules to whole numbers but keeping track of the decimal point.

Decimals can be converted to fractions ( $0.5 = 1/2$ ) and fractions to decimals, showing they represent similar concepts differently.

Decimals are commonly used for money, measurements, and precise calculations in everyday life and science.

## Quick Revision Notes

- Decimals have a whole and decimal part.
- 75 has whole part 4 and decimal part .75.
- We can add, subtract, multiply and divide decimals.
- We must track the decimal point carefully.
- Decimals convert to fractions and back.
- $5 = 1/2$  as an example.
- Decimals are used for money and measurements.
- They enable precise calculations.

## Practice Questions

- 1 Add  $5.25 + 3.40$ .
- 2 Subtract  $8.60 - 2.15$ .
- 3 Convert 0.75 to a fraction.
- 4 Convert  $3/4$  to a decimal.
- 5 Solve a money problem using decimals.
- 6 Compare 6.2 and 6.25, saying which is bigger.