

Learning Objectives

Recognise and show, using diagrams, families of common equivalent fractions.

Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.

Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.

Add and subtract fractions with the same denominator.

Recognise and write decimal equivalents of any number of tenths or hundredths.

Find the effect of dividing a one or two-digit number by 10 or 100, identifying the value of the digits in the answer as ones, tenths and hundredths

Solve simple measure and money problems involving fractions and decimals to two decimal places.

Convert between different units of measure [for example, kilometre to metre]

Fractions	Decimals	Diagram
1/10	0.1	
2/10	0.2	
3/10	0.3	
4/10	0.4	
5/10	0.5	

Use the digit cards to complete the equivalent fractions.

$$\frac{\square}{\square} = \frac{\square}{\square}$$

How many different ways can you find?



Using the diagram, complete the equivalent fractions.

$$\frac{1}{3} = \frac{\square}{6} = \frac{\square}{12} = \frac{\square}{24}$$

thousands	hundreds	tens	ones	tenths	hundredths	thousandths	ten-thousandths
Everything to the <i>left</i> of the decimal point is a WHOLE number.				Everything to the <i>right</i> of the decimal point is PART of a whole.			

Key Vocabulary

Fraction: part of a whole

Numerator: top number in a fraction-tells how many equal parts are being used

Denominator: bottom number in a fraction-tells the number of equal parts the top number is divided by

Equivalent fractions: fractions that name the same amount

Simplify: reduce or bring the fraction to lowest terms; simplest form

Common denominator: denominators are the same

Decimal: a way of writing a number that is not whole.

Decimal point: a point (small dot) used to separate the whole number part from the fractional part of a number.