Year 6 | Number

# Comparing, adding and subtracting fractions

## Learn and practise | Free preview

A sample from this topic. The complete topic collection contains three different resources and worked solutions.

Show your thinking using words, working or a labelled drawing. Use the explanations and example first.

## What you will practise

• Comparing, adding and subtracting fractions

• Explain and check an answer with an appropriate representation.

Useful starting skills: Use objects, drawings or a number line to explain a simple idea.

A fraction describes equal parts of a stated whole. The denominator names the part size; the numerator counts those parts. Always check that the wholes being compared are the same size.

Equivalent fractions name the same value. When comparing or combining fractions, use equal-sized parts. A number line helps show order and amounts greater than one.

## Worked example

Add 2/3+3/4.

Find a common denominator using factors or multiples.

Rename both fractions without changing their values, then add to obtain 17/12.

Answer: 17/12

## Try it yourself

Name: _____ Date: _____

1. Calculate 2/3 +3/4. Use equivalent fractions.

2. Calculate 5/6 -2/5. Use equivalent fractions.

## Answers and explanations

Check the method as well as the final answer. An alternative correct method is also valid.

1. 17/12

Use denominator 12 and combine the numerators. Simplify to 17/12.

2. 13/30

Use denominator 30 and combine the numerators. Simplify to 13/30.

Curriculum reference: VC2M6N03; VC2M6N05

Independent original resource. Not published or endorsed by VCAA. This focused set supports the listed skills; it is not a complete course or an official assessment.

This free preview may be shared intact with attribution. Not for sale.