

N2.3 A Adding and subtracting fractions

This animation will help students to:

- Add and subtract simple fractions (66)

Key words

Convert
Equivalent
Mixed number
Improper

Overview

The animation illustrates the addition and subtraction of fractions with the same denominator using a series of rectangular grids. The emphasis is on understanding the concept of adding or subtracting the numerators so the animation does not go on to simplify the fractions.

Differentiation

This animation is based on N2.3 OHP from the Year 7 Core and Support books.

It is a good starting point for students from both tiers.

All the fractions have the same denominator, but the last question leads to an improper fraction.

Commentary

The animation consists of three examples:

- The first example illustrates $\frac{1}{8} + \frac{2}{8}$. Students have the opportunity to name and add the fractions, before you click NEXT to show the answers
- The second example illustrates $\frac{3}{8} - \frac{1}{8}$ in the same way
- The last example illustrates $\frac{6}{6} + \frac{6}{6} + \frac{2}{6}$

The answer is the improper fraction $2\frac{2}{6}$

FRAMEWORK MATHS
N2.3 A Equivalent fractions

$\frac{6}{6} + \frac{6}{6} + \frac{2}{6} = \frac{14}{6} = 2\frac{2}{6}$

START
BACK FINISH
Core
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Teaching points

Encourage the students to name the fractions from the diagrams before clicking NEXT.

Encourage the students to give an answer to the sum, and discuss any misconceptions, such as adding denominators. The diagrams should be a good teaching aid and help any such discussions.