

## Diagrams and fractions - lesson 3.3 - Word problems

### Summary

This is the final lesson about addition and subtraction of fractions and will focus on word problems involving not only these two operations, but also comparison of fractions.

**Material:** worksheets.

### Outline of the lesson

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#### Starter

The goal of this starter is to put together the three "types" of addition of fractions: same denominators, one denominator being multiple of the other and two non-multiple denominators.

*When discussing the questions, do not treat each one of them as a different "type". Instead, reinforce that if you look at the diagrams, it is possible to decide how proceed.*

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#### Task 1 to 8

Word problems involving fractions.

*The mixture of fractions presented textually and symbolically is intentional. This time, the questions are more varied in terms of possible approaches to solve than the previous word problems lesson.*

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#### Extension

In case students finish all the problems, I would suggest sums with new denominators. Such as:

$$\frac{3}{7} + \frac{1}{3}$$

$$\frac{1}{6} + \frac{3}{8}$$

$$\frac{5}{12} + \frac{3}{8}$$

$$\frac{3}{5} + \frac{1}{6}$$