

Fractions in Context

Starter

(Review of last lessons)

1. One gallon (8 pints) is about $4\frac{1}{2}$ litres. About how many pints is 1 litre?
2. Find (a) the perimeter and (b) the area of a rectangle whose sides are $8\frac{5}{8}$ cm and $5\frac{3}{4}$ cm.
3. The last 8 pages of a magazine are for advertisements. Two days before publication, $6\frac{7}{8}$ of advertising had been sold. Then $2\frac{1}{4}$ pages were cancelled. What fraction of pages still has to be sold?
4. The area of a coffee table is $1\frac{9}{40}$ m². It is $1\frac{2}{5}$ long. What is the width of the table?

Video: [Fractions - addition/subtraction](#)

Video: [Fractions - multiplication](#)

Video: [Fractions - division](#)

Video: [Mixed number to improper fraction](#)

[Solutions to Starter and E.g.s](#)

Exercise

p148 Ex 9.2 Qu 1ace...(calc), 2ace... (calc), 3, 4, 5ace, 6ace, 7, 8-10

Summary

Addition and subtraction — make sure you have a common denominator.

Multiplication — multiply the top numbers together and the bottom numbers together.

Division — invert (“flip”) the second fraction and multiply

Adding mixed numbers — no need to change to improper fractions.

Subtracting mixed numbers — change to improper fractions when the fraction part being subtracted is bigger.

[Textbook answers \(only available during a lockdown\)](#)