Add and subtract simple algebraic fractions



Η

White

Rose Maths



Annie is calculating with algebraic fractions. I can work out $\frac{1}{k} + \frac{1}{k}$ because the denominator is the same, so $\frac{1}{k} + \frac{1}{k} = \frac{1+1}{k} = \frac{2}{k}$ 00 Use Annie's method to complete the calculations. **a)** $\frac{3}{m} + \frac{4}{m}$ c) $\frac{1}{p} - \frac{4}{p}$ **b)** $\frac{12}{n} - \frac{5}{n}$ Here is an algebraic expression. $\frac{4}{r} + \frac{2}{r}$ a) Write the expression as a single fraction. **b)** Evaluate the expression when r = 2c) For what value of r is $\frac{4}{r} + \frac{2}{r} > 1$? Is there more than one answer? Simplify the expressions. a) $\frac{1}{x} + \frac{1}{3x}$ **b)** $\frac{2}{x} - \frac{3}{5x}$

Discuss your method with a partner.

