

Dr Oliver Mathematics
Worked Examples
Ratio 1

From: Edexcel 2018 November Paper 2H (Calculator)

1. p and q are two numbers such that $p > q$. (5)

When you subtract 5 from p and subtract 5 from q the answers are in the ratio 5 : 1.
When you add 20 to p and add 20 to q the answers are in the ratio 5 : 2.

Find the ratio $p : q$.

Give your answer in its simplest form.