

Ratio and Proportion

- PS 1** There are 14 boys and 16 girls in a class.
What is the ratio of girls to boys? Write your answer in its lowest terms. [2]
- PS 2** Simplify the following ratios.
- a) $10 : 2$ [1]
- b) $16 : 24$ [1]
- c) $25 \text{ pence} : £2$ [2]

Total Marks / 6

- 1** Work out the missing ratio.
- a) $8 : 3 = ? : 15$ [1]
- b) $7 : ? = 63 : 108$ [1]
- FS 2** A sum of money is shared in the ratio $1 : 4$
If the larger share is £120, how much money is there altogether? Show your working. [3]
- 3** Share 40 pens in the ratio $3 : 5$, showing your working. [2]
- FS 4** Danesh bought 18 postcards for £2.16
How much would he pay if he bought 27 postcards? Show your working. [2]
- PS 5** A telegraph pole 60 feet high casts a shadow 12 feet long. At the same time of day, how long is the shadow cast by a 90-foot pole? [2]

Total Marks / 11