

Ratio and Proportion Problems

Set A

- 1) In a country dance there are 7 boys and 6 girls in every line. 42 boys take part in the dance.
 - How many girls take part?

- 2) Some children voted between a safari park and a zoo for a school visit. The result was 10 : 3 in favour of the safari park. 130 children voted in favour of the safari park.
 - How many children voted in favour of the zoo?

- 3) The risk of dying in any one year from smoking is about 1 in 200 of the population. The population of the UK is about 58 million.
 - How many people are likely to die this year from smoking?

- 4) A boy had £35 in birthday money. He spent some of the money. He saved four times as much as he spent.
 - How much did he save?

- 5) There are 3 chocolate biscuits in every 5 biscuits in a box. There are 30 biscuits in the box.
 - How many of them are chocolate biscuits?

- 6) A recipe for mushroom soup uses 7 mushrooms for every $\frac{1}{2}$ litre of soup.
 - How many mushrooms do you need to make 2 litres of soup?
 - How much soup can you make from 21 mushrooms?

- 7) 10 bags of crisps cost £3.50.
 - What is the cost of 6 bags of crisps?

- 8) £1 = 12.40 Danish kroner.
 - How much is £1.50 in Danish kroner?