

**B**

- 1 In one season the ratio of goals for to goals against in Chelsea's matches was 5 : 3. If Chelsea scored 80 goals, how many did they let in?
- 2 In November the ratio of wet days to dry days was 4 : 1. How many days were wet?



- 3 In a survey of trees in a wood the ratio of beech trees to other trees was 2 : 5. If there were 14 beeches, how many other types of tree were there?
- 4 In a supermarket the ratio of male to female employees is 2 : 3. If there are 36 female employees, how many men work there?
- 5 During a lesson lasting one hour the ratio of the time Aidan spends working to the time he spends day-dreaming is 3 : 7. How long does he actually work?
- 6 In a hospital ward the ratio of nurses to patients is 2 : 9. If there are 63 patients, how many nurses are there?
- 7 A cashier in a bank counts £1300 in £10 and £20 notes only. The ratio £10 notes : £20 notes is 3 : 5. How many are there of each note?
- 8 Share :
  - a) 21 sweets in the ratio 3 : 4
  - b) £1.20 in the ratio 2 : 1
  - c) 1 litre of drink in the ratio 2 : 3
  - d) 36 strawberries in the ratio 4 : 5
  - e) £90 in the ratio 3 : 15
  - f) 480 g of nuts in the ratio 5 : 3.

**C**

- 1 A photocopier enlarges in a ratio of 5 : 7. If the original document was 30 cm long and 20 cm wide, what are the dimensions of the photocopy?
- 2 In a bakery the ratio of large loaves to small loaves is 8 : 3. If there are 96 large loaves, how many small loaves are there?
- 3 On a plane the ratio of adult to child passengers is 15 : 2. If there are 300 adult passengers, how many children are there on the plane?
- 4 In a necklace the ratio of black to red to green beads is 1 : 2 : 4. If there are 32 red beads, how many beads are :
  - a) black
  - b) green?
- 5 In an English exam the ratio of marks given for spelling to writing to reading is 2 : 8 : 5. If there are 48 marks for writing, how many are there for:
  - a) spelling
  - b) reading?
- 6 In a sports shop the ratio of large to medium to small running vests sold is 3 : 5 : 4. If 15 medium vests are sold, how many large vests and how many small vests are sold?
- 7 Three afternoon lessons last for 2 hours altogether. The lengths of the lessons are in the ratio 2 : 3 : 3. How long is each lesson?
- 8 Split :
  - a) 1.32 m in the ratio 6 : 5
  - b) £65 in the ratio 4 : 9
  - c) 6 hours in the ratio 7 : 2
  - d) 2 kg in the ratio 1 : 3 : 4
  - e) £5.40 in the ratio 3 : 2 : 5
  - f) 750 ml in the ratio 5 : 1 : 9.