



- 1) a) 280
 b) $\frac{1}{8}$
 c) 70 more people went to France
- 2) a) 40
 b) 40
 c) $\frac{3}{8}$
- 3) a) glass = 75kg
 plastic = 50kg
 clothing = 25kg
- b) Multiple answers possible, for example:
 How much more cardboard was recycled than plastic?



- 1) a) This is true. 160 children were asked and $\frac{1}{8}$ of those children said music was their favourite subject. $\frac{1}{8}$ of 160 = 20
 b) This is false. 80 children chose PE and 20 children chose history. Therefore, 60 more children chose PE than history.
 c) This is false. $\frac{1}{8}$ of the children chose History as their favourite subject.
 d) This is false. The pie chart does not give any specific information about the children and shows that 40 children chose art, not 42.
- 2) Jack is incorrect. The Football team has won half of their games (18 games won) and the rugby team has won half of their games (24 games won). The rugby team has therefore won more games than the football team as they had a greater number of games.

Ruby is incorrect. Although the loss section looks larger for the football team, they have played less games than the rugby team. Their losses are actually equal as both teams have lost 12 games.

- 3) Football
 Win: 18
 Loss: 12
 Draw: 6
- Rugby
 Win: 24
 Loss: 12
 Draw: 12



- 1) a) $3 \times 16 = 48$
48 insects were found altogether.
- b) $4 \times 3 = 12$
 $12 - 3 = 9$
9 more beetles were found.
- c) $48 \div 2 = 24$
 $24 \div 4 = 6$
 $6 \times 3 = 18$
There were 18 brown woodlice.
- d) $18 \div 3 = 6$
 $\frac{6}{16}$ or $\frac{3}{8}$ of the pie chart would be bees.
- 2) a) $12 \times 4 = 48$
 $48 - 30 = 18$
18 more children in year 6 walk to school than children in year 5.
- b) $15 - 12 = 3$
3 more children bike to school in year 5 than year 6.
- c) $\frac{1}{2}$ of the children in year 5 travel by car; this is 45 children. Only $\frac{1}{6}$ of the children in year 6 travel by car; this is 12 children.