Name: Class: Mark:

1. A survey is carried out amongst 550 people to gauge public opinion for a planned housing development. The ratio of people who liked the plans to those that did not, was 10 : 1.

 How many people liked the building? [2]

2. $\frac{1}{11}$ of the annual budget of a manufacturing company is spent on rivets.

 The annual cost of rivets is £390. Work out the annual budget of the company. [5]

3. The ratio of two metals, iron and nickel, present in an alloy were shown to be 4 : 3 respectively. If the alloy has a weight of 50 g, work out the weights of the two metals. [4]

4. A car manufacturer has increased its use of metal sheet by $\frac{1}{10}$ from last year.
The manufacturer uses 10,000 sheets this year. How many sheets did they produce
last year? Round your answer **up** to the nearest whole sheet. [5]

 [Total 16 marks]