



Problem solving with fractions, decimals and percentages

1. In a closing-down sale a shop offers 50% off the original prices.

What fraction is taken off the prices?

2. In a survey one in five people said they preferred a particular brand of cola.

What is this figure as a percentage?

3. Jamila is working out a problem involving $\frac{1}{4}$. She needs to enter this into a calculator.

How would she enter $\frac{1}{4}$ as a decimal on the calculator?



4. Kyle pays tax at the rate of 25% of his income. What fraction of Kyle's income is this?

5. When Rani was buying her flat she had to put down a deposit of $\frac{1}{10}$ of the value of the flat.

What percentage was this?

6. I bought my coat in the January sales with $\frac{1}{3}$ off the original price.

What percentage was taken off the price of the coat?



7. Linzi bought some fabric that was 1.75 metres long.

How could this be written as a fraction?

Now compare your answers with the answer sheet.