

## Percentages

1. Find: (a) 1% of 5000                      (b) 10% of 120                      (c) 70% of 230                      [3]
2. In a class of 30 pupils, 9 had brown eyes. What percentage is this? [2]
3. In a sale all prices are reduced by 35%. What would be the sale price of an item which originally cost £200? [2]
4. Universal DVD increased their hire charges by 12%.  
What would it now cost to rent a DVD that used to cost £3 to hire? [2]
5. Bookworms Bookstore reduce the prices of their books by  $33\frac{1}{3}\%$ .  
How much would you pay for a book that was originally priced at £18? [2]
6. James buys a house costing £45 000.  
The building Society will only give him a 90% mortgage.  
How much does he need to pay for the deposit? [3]
7. Mrs Mitchell saw a new cooker priced at £1 150 in her local electrical store.  
She found the same cooker on the internet at a cost of £640.
- (a) How much did Mrs Mitchell save by buying on the internet? [2]
- (b) Express this amount as a percentage of the store price, rounding your answer to the nearest percent. [2]

**[18 marks]**

## Fractions

1. Calculate: (a)  $\frac{2}{3}$  of £42.60      (b)  $\frac{4}{5}$  of £70      (c)  $\frac{4}{9}$  of £144  
[2, 2, 2]

2. Fiona earns £54 working in a Health Club on a Saturday. She spends  $\frac{2}{3}$  of it and saves the rest.

How much does she save? [2]

3. An Orchestra has 72 members.  $\frac{5}{8}$  of them play stringed instruments. How many is this? [2]

4. Jamil wants to buy a new phone which costs £288.

- (a) He has managed to save  $\frac{2}{3}$  of it.

How much has he still to save?

- (b) His Gran tells him that she will give him 25% of what he still needs and his Mum gives him £70.

Does Jamil have enough to buy his new phone?

You must show all working and give a reason for your answer. [1, 3]

**[14 marks]**