

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]