Q1) Calculate

a) 50% of £25.00 b) 12% of 75g

c) 5% of £3.60 d) 7% of 50g

Q2) John bought a new PC. The tag in the shop said it cost £890+VAT. If VAT is charged at 17.5%, how much did he pay?

Q3) Daphne earns an annual wage of £18900. She doesn’t pay tax on the first £3400 that she earns. How much income tax does she pay when the rate of tax is:

a) 25% ? b) 40% ?

Q4) A hotel prices are:

# Bed and Breakfast £37 per person

# Evening meal £15 per person

Two people stay at the hotel for two nights and they have a meal each night. How much is the total cost, if VAT is added at 17.5%?

Q5) During a rain storm a water butt increased it weight from 10.4kg to 13.52kg. What was the percentage increase?

Q6) A software company reduces the price of its CD-ROMS from £27.50 to £22.00. What was the percentage reduction?

Q7) Janet bought a new hat in the sales for £42.00. The original price had been reduced by 25%. What was the original price?

Q8) In the new year sales Geoff bought a baseball cap for £17.85. The original price has been reduced by 15%. What was the original price.

**Exam style questions**

Q9) In 1990, a charity sold 2.25 million lottery tickets at 25p each. 80% of the money obtained was kept by the charity.

a) Calculate the amount of money kept by the charity? (2 marks)

In 1991, the price of a lottery ticket fell by 20%. Sales of the lottery tickets increased by 20%. 80% of the money obtained was kept by the charity.

b) Calculate the percentage change in the amount of money kept by the charity? (4marks)

Q10) Janet invests £50 in a building for one year. The interest rate is 6% per year.

a) How much interest, in pounds, does Janet get? (2 marks)

Nisha invests £60 in a different building society. She gets £3 interest after one year.

b) Work out the percentage interest rate Nisha gets. (2 marks)

Q11) a) A particular CD costs a shopkeeper £9.20 from the wholesaler. The shopkeeper wants to make a profit of 35% on his costs. What price will the CD be in the shop? (2 marks)

b) Another CD is offered on sale at a discount of 15%. The sale price is £13.26. What was the price of the CD before the sale discount? (2 marks)

Q1) a) £12.50

b) 9g

c) £0.18 or 18p

d) 3.5g (1 mark each, 4 marks)

Q2) VAT = £155.75

Total = £1045.75 (1 mark each, 2 marks)

Q3) a) £3875

b) £6200 (1 mark each, 2 marks)

Q4) £244.40 (2 marks)

Q5) 30 % (1 mark)

Q6) 20 % (1 mark)

Q7) 1% = 56p Original price = £56 (2 marks)

Q8) 1% = 21p Original price = £21 (2 marks)

# Exam Style questions

Q9) a) 2250000 x 0.25 = £526500

x 0.8 = £450000 (2 marks)

1. 2250000 x 0.8 = 1800000

0.25 x 1.2 = 0.3 (30p) (1)

1800000 x 0.3 = 540000 (1)

x 0.8 = £432000 (1)

432000 / 450000 = 0.96

4% decrease (1) (4 marks)

Q10) a) 50 x 0.06 = £3.00 (2 marks)

b) 3 / 60 = 0.05 5 % interest rate (2 marks)

Q11) a) £9.20 x 1.35 = £12.42 (2 marks)

b) 1 % = 0.16 ( to 2dp) Original price = £16.00 (2 marks)

**Total / 30**