Q1: For each question workout

i)   State whether there is a profit or a loss,
ii)   The actual profit or a loss,
iii)   The profit or a loss as a percentage of the cost price.

	Cost price	Selling Price
(a)	$ 50	$ 45
(b)	$ 50	$ 55
(c)	$ 365	$ 456.25
(d)	10 for Rs.786	Rs.85 each
(e)	150 for $75	$ 0.55 each

Q2: (a) Fred borrows $1000 from the bank. The bank charges 5% simple interest per annum.

Calculate the interest payable after

i)   8 months
ii)   1 year.

(b) Calculate how long it would take for an investment of $ 500 to earn $25 interest at a rate

of 2% per annum.

Q3: Ali bought a new car in 2012 costing $ 35000. The rate of depreciation was 46% in the

first year and 19% in the second year. Calculate the value of the car in the end of 2014.

Q4: Sara buys 10 toy cars for Rs.50 each. She sells 7 for Rs.75 each, and then reduces the

remaining three and sells them in her sale at 20% discount on her previous selling price.

Calculate her profit as a percentage of the cost price.

Q5: I t takes 25 minutes to do a particular journey at a speed of 55 km/h. How long would it take at 45

km/h? Give your answer to the nearest minutes.

Q6: I t takes 25 minutes to travel 16 km. How long would it take to cover 40 km at the same speed?

Give your answer to the nearest minutes.

Q7: 3 painter take 4 days to paint the outside of a house.

(a) How long would it take 6 painter to paint the same house at the same rate?
(b) How many painters would be needed to paint three similar houses in 4 days?