

The City School

North Nazimabad Boys Campus

E-Worksheet



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Class: 8

Subject: Mathematics

Date: 5th January 2018

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: It 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: It 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?



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