BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS: VIII

SUBJECT: MATHEMATICS (041)

ANSWER KEY OF ASSIGNMENT 2

CHAPTER: DATA HANDLING AND COMPARING QUANTITIES

Sol. 5 Tax paid = Rs. (16100 − 14000)

$\qquad$ = Rs. 2100

Rate of tax = $\frac{Tax}{List\ price}$ x 100

$\qquad$ = $\frac{2100}{14000}$ x 100

$\qquad$ = 15%

Sol. 6 Amt. = P $(1 + \frac{r}{100})^n$

P = 12000, R = 5% p.a., T = 3 years

Sol.8 Probability = $\frac{No.of\ favourable\ outcomes}{Total\ no.of\ outcomes}$

a) No. of face cards = 12

Probability of face cards = $\frac{12}{52} = \frac{3}{13}$

b) No. non-face cards = 52 − 12 = 40

Probability of non-face cards = $\frac{40}{52} = \frac{10}{13}$

c) No. of black cards = No. of spades + No. of clubs

$\qquad$ = 13 + 13 = 26

Probability of black cards = $\frac{26}{52} = \frac{1}{2}$

d) No. of non-ace cards = 52 − 4 = 48

Probability of non-ace cards = $\frac{48}{52} = \frac{12}{13}$