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G.D.GOENKA PUBLIC SCHOOL

Subject: Mathematics (6th)

Aspect: Home- Assignment

Date: 02-11-2020

Chapter No.12 (Ratio and Proportion)

Exercise 12.3 Page no: 259

Q3. If it has rained 276 mm in the last 3 days, how many cm of rain will fall in one full week (7 days)? Assume that the rain continues to fall at the same rate.

Solutions:

Measure of rain in 3 days = 276 mm

Measure of rain in one day = $276 / 3$

= 92 mm

So, measure of rain in one week i.e 7 days = 92×7

= 644 mm

= $644 / 10$

= 64.4 cm

Q4. Cost of 5 kg of wheat is Rs. 91.50.

(a) What will be the cost of 8 kg of wheat?

(b) What quantity of wheat can be purchased in Rs. 183?

Solution:

(a) Cost of 5 kg wheat = Rs. 91.50.

Cost of 1 kg wheat = $91.50 / 5$

= Rs. 18.3

So, cost of 8 kg wheat = 18.3×8

= Rs. 146.40

(b) Wheat purchased in Rs. 91.50 = 5 kg

Wheat purchased in Rs. 1 = $5 / 91.50$ kg

So, wheat purchased in Rs. 183 = $(5 / 91.50) \times 183$

= 10 kg

Write Q3 and Q4 in your mathematics notebook.