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G.D.GOENKA PUBLIC SCHOOL

Subject: Mathematics (7th)

Date: 12-08-2021

Chapter 9(Ratio and Proportion)

Exercise 9.2

(1) Complete the following table:

	Number of oranges	Cost of oranges
(i)	4	₹36
(ii)	12	_____
(iii)	_____	₹162

The completed table is:

	Number of oranges	Cost of oranges
(i)	4	₹36
(ii)	12	$4 : 12 :: 36 : x \Rightarrow x =$ ₹108
(iii)	$4 : x :: 36 : 162 \Rightarrow x = 18$	₹162

(2) The length of cloth required to stitch shirts for 2 boys is 5.4 metres. What length of cloth is required to stitch shirts of the same size for 12 boys?

Length of the cloth required to stitch shirts for 2 boys = 5.4 m

$\Rightarrow$The length of cloth to stitch a shirt for 1 boy = $\frac{5.4 \text{ m}}{2} = 2.7$ m

Thus, the length of cloth required to stitch similar shirts for 12 boys = 2.7 m × 12 = 32.4 m

(3) Four loaves of bread cost ₹52. What will be the cost of a dozen such loaves?

Cost of four loaves of bread = ₹52 $\Rightarrow$The cost of 1 loaf = ₹$\frac{52}{4}$ = ₹13

Thus, the cost of a dozen loaves = ₹13 × 12 = ₹156

Write Q1 to Q3 in your mathematics notebook.