G.D.GOENKA PUBLIC SCHOOL

Subject: Mathematics (6th)   **Date:30-10-2021**

Chapter no. 8: Ratio And Proportion

EXERCISE 8.1

Qno1: State whether the following are true or false.(Bookwork)

(i) The denominator is called the antecedent
in a ratio. **False**.

(ii) Ratio of same kind of quantities has
no units. **True.**

(iii) When both the terms of a ratio are multiplied by the same number, the
ratio remains unchanged. **True.**

(iv) The order of the terms in a ratio is not very
important. **False.**

(v) The fractional form of the ratio 2 : 7 is 7/2
    False

Qno2: Express each of the following quantities as ratios of their lowest terms.

(i) ₹ 9 : 75 p

Sol: ₹9 to 75 paise
 = ₹9 : 75 paise   (₹1=100 paise)
= (9 × 100) paise : 75 paise
= 900 : 75
= 12 : 1 [Dividing both by 75]

(ii) 76 days : 1 year

Sol: 76 days : 1 year
 = 76 days : 365 days   (1year=365 days)
= 76 : 365

(iii) **15 weeks : 1 year**

Sol: 15 weeks : 1 year

= 15 weeks : 52 weeks (1year=52 weeks)

= 15 : 52

(iv) **3 m : 90 cm**

Sol: 3 m : 90 cm

= 300 cm : 90 cm   (1m=100cm)

= 300 : 90

= 10 : 3 (Dividing both sides by 10)

(v) **650 g : 13 kg**

Sol: 650 g : 13 kg

= 650 g : 13000 g (1kg=1000g)

= 650 : 13000

= 1 : 20 [Dividing both by 650]

(WRITE QNO2 IN YOUR NOTEBOOK)