



G.D.GOENKA PUBLIC SCHOOL

Subject: Math 5th

Aspect: 07-10-21.Home-Assignment

Chapter No.9 Measurements

Exercise No.2 (Part 4)

Q.No.3).Applying measurements (story sums).

a) Rakesh is 1.35 m tall. Mahesh is 130 cm. Who is taller? By how much?

Sol: Height of Rakesh = 1.35 m

As we know, 1m = 100 cm

Then, 1.35 m × 100 cm = 135.00 cm = 135 cm

Height of Mahesh = 130 cm

Therefore, Difference between them = 135 cm - 130 cm = 5 cm

Hence, Rakesh is taller than Mahesh by 5 cm

b) Rakesh is 1.35 m tall. His sister Kirti is 15 cm taller than him. What is Kirti's height?

Sol: Height of Rakesh = 1.35 m

As we know, 1m = 100 cm

Then, 1.35 m × 100 cm = 135.00 cm = 135 cm

Therefore, Height of Kirti = 135 cm + 15 cm = 150 cm

c) Ankit runs 8 rounds of a race track every day. If the race track is 560 m long, how many kilometers does he run every day?

Sol: Length of a race track = 560 m

No. of rounds = 8

Therefore, Total distance covered by Ankit every day = 560 m × 8 = 4480 m

As we know, 1000 m = 1 km

Then, 4480 ÷ 1000 km = 4.480 km

d) Dilnaz takes steps of 50 cm each while running. How many steps will she have to take to cover 100 m?

Sol: Total distance = 100 m

Distance cover in each step = 50 cm

Therefore, No. of steps she will have to take = $100 \text{ m} \div 50 \text{ cm}$

As we know, $1 \text{ m} = 100 \text{ cm}$

Then, $100 \times 100 \text{ cm} \div 50 \text{ cm} = 10000 \text{ cm} \div 50 \text{ cm} = 200$ steps

e) Salma travelled 15.5 km by metro and 750 m by rickshaw. How many kilometers did she travel in all?

Sol: Distance travelled by metro = 15.5 km

Distance travelled by rickshaw = 750 m

Therefore, Total distance travelled in all = $15.5 \text{ km} + 750 \text{ m}$

As we know, $1000 \text{ m} = 1 \text{ km}$

Then, $15.5 \text{ km} + 750 \div 1000 \text{ km} = 15.5 \text{ km} + 0.750 \text{ km} = 16.250 \text{ km}$

f) Chintu used a pencil of length 12 cm to measure his friend Salman's height. If Salman's height is equal to the length of 13 pencils, what is Salman's height in metres?

Sol: Length of a pencil used by Chintu = 12 cm

Height of Salman = Length of 13 pencils

Therefore, Height of Salman

= Length of pencil used by Chintu \times Length of 13 pencils

= $12 \text{ cm} \times 13 = 156 \text{ cm}$

As we know, $100 \text{ cm} = 1 \text{ m}$

Then, $156 \div 100 \text{ m} = 1.56 \text{ m}$

Note: Exercise No.2 (To be done in the notebook, page No.154)

Maths Speed: (Skill Sheet No.54; Q.No.1, 4, 16, 17, Page No.54)