कक्षा /Class: VII    विषय /Subject: Mathematics    अंक/Marks: 40
दिया गया पाठ्यक्रम/Portion covered: Ch 3

## SECTION A

1. (a) 10
2. (a) 6.3
3. (b) 10
4. (a) 7.05
5. (b) 0.5cm
6. (a) 3.64
7. (b) 90 min
8. (b) To measure smaller lengths accurately
9. (c) 5.7 units
10. (c) 0.5cm

## SECTION B

11. 3.65 is closest to 4.
12. (a) 39.10          (b) 1.534
13. Each term is increased by 0.4,
    Next three terms = 6.4, 6.8, 7.2
14. In January Tinku weighed = 35.75kg
    In February Tinku weighed = 34.50kg
    Weight loss = (35.75-34.50) kg
    Change = 1.25 kg

## SECTION C

15. (a) $\frac{3}{10} + 3 + \frac{4}{100} = 3 + \frac{3}{10} + \frac{4}{100} = 3\frac{3}{10}\frac{4}{100} = 3\frac{34}{100}$

(b) $15\frac{6}{10}\frac{4}{100} + 14\frac{3}{10}\frac{6}{100} = (15 + 14) + \left(\frac{6}{10} + \frac{3}{10}\right) + \left(\frac{4}{100} + \frac{6}{100}\right)$

$= 29 + \frac{9}{10} + \frac{10}{100} = 29 + \frac{9}{10} + \frac{1}{10} = 29 + \frac{10}{10} = 29 + 1 = 30$

(c) $8\frac{6}{100} - 5\frac{3}{100} = (8-5) + \left(\frac{6}{100} - \frac{3}{100}\right) = 3\frac{3}{100}$

16. (a) $0.34 = \frac{34}{100} = \frac{30}{100} + \frac{4}{100} = \frac{3}{10} + \frac{4}{100}$

(b) $1.02 = \frac{102}{100} = \frac{100}{100} + \frac{2}{100} = 1 + \frac{2}{100}$

(c) $0.362 = \frac{362}{1000} = \frac{300}{1000} + \frac{60}{1000} + \frac{2}{1000} = \frac{3}{10} + \frac{6}{100} + \frac{2}{1000}$

17. 2.5 feet= 2.5x12 inches=30 inches. This is a practical measurement to make with a standard measuring tape.

## SECTION D

18. (a) (i)10.981>10.980>10.908>10.809>10.089

(ii) 22.331>22.313>22.310>22.133>22.130

(b) 2.5+3.2+4.1=9.8 kg

Total delivered = 20kg

Therefore, last four days= 20-9.8=10.2kg

## SECTION E

19. (a) 10.5- (2x0.5m) = 9.5m

(b) ₹50.75x4= ₹203.00

(c) 4 spaces x 1.5m/space=6.0m

Yes, the 9.5m usable length is sufficient for the 6.0m of spacing required.

20.(a) ₹499.50+₹85.00= ₹584.50

(b) ₹584.50-₹125.25= ₹459.25

(c) New total before discount= ₹584.50+₹20.50= ₹605.00.

After discount: ₹605.00-₹125.25= ₹479.75

No, she will still have to pay for shipping.