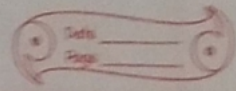


Ex-8(E)



1) Cost of the watch = ₹540
Sales Tax = 2% of 540
$$= \frac{2}{100} \times 540$$
$$= \frac{216}{5}$$
$$= ₹43.20$$

Total amount = ₹540 + ₹43.20
= ₹583.20

2) Sales Tax = ₹345.60
Amount of purchase = ₹3840
Rate of Sales Tax = $\frac{\text{Sales Tax} \times 100}{\text{Amount}}$
$$= \frac{345.60 \times 100}{3840}$$
$$= \frac{34560 \times 100}{100 \times 3840}$$
$$= 9\%$$

3) Let the basic CP price be ₹100
Sales tax = 10% of 100 = ₹10
Amount = ₹100 + ₹10
= ₹110

If amount is ₹110, then basic CP = ₹100
If amount is ₹110 then basic CP = $\frac{100}{110}$

If amount is ₹1230 then basic CP = $\frac{100}{110} \times 1230$
$$= ₹12300$$

4) CP of biscuits = ₹158
 Sales tax = 6% of ₹158
 = ₹6
 Amount = ₹158 + 6
 = ₹164

CP of cosmetic goods = ₹354
 Sales tax = 9% of 100
 = ₹9
 Total amount = ₹354 + ₹9
 = ₹363

CP of biscuits = ₹158
 Sales tax = 6% of 158

$$= \frac{6}{100} \times 158 = \frac{6 \times 158}{100} = \frac{948}{100} = 9.48$$

 T. amount = ₹158 + ₹9.48
 = ₹167.48

CP of cosmetic good = ₹354
 Sales tax = 9% of 354

$$= \frac{9}{100} \times 354 = \frac{3186}{100} = 31.86$$

 = ₹31.86

T. amount = ₹354 + ₹31.86 = ₹385.86

Total amount paid by Navita = ₹167.48 + ₹385.86
 = ₹553.34

5) Let MP be 100
 Sales tax = 9% of 100 = ₹ 9
 Amount = ₹ 100 + ₹ 9 = ₹ 109

If amount is 109 then MP = 100
 If amount is 1 then MP = $\frac{100}{109}$

If amount is ₹ 13407 then MP = $\frac{100 \times 13407}{109}$
 = ₹ 12300

MP = ₹ 12300

Sales tax = 13% of 12300

= $\frac{13}{100} \times 12300$

= ₹ 1599

T. amount = 12300 + 1599

= ₹ 13899

More amount to be paid = 13899 - 13407
 = ₹ 492.