Exercise 3C

Q1

Answer :

We have the following:

(i) 73.92 × 10 = 739.2 [Shifting the decimal point to the right by 1 place]
(ii) 7.54 × 10 = 75.4 [Shifting the decimal point to the right by 1 place]
(iii) 84.003 × 10 = 840.03 [Shifting the decimal point to the right by 1 place]
(iv) 0.83 × 10 = 8.3 [Shifting the decimal point to the right by 1 place]
(v) 0.7 × 10 = 7 [Shifting the decimal point to the right by 1 place]
(vi) 0.032 × 10 = 0.32 [Shifting the decimal point to the right by 1 place]

Q2

Answer :

We have the following:

(i) 2.397 × 100 = 239.7 [Shifting the decimal point to the right by 2 places]
(ii) 6.83 × 100 = 683 [Shifting the decimal point to the right by 2 places]
(iii) 2.9 × 100 = 290 [Shifting the decimal point to the right by 2 places]
(iv) 0.08 ×100 = 8 [Shifting the decimal point to the right by 2 places]
(v) 0.6 × 100 = 60 [Shifting the decimal point to the right by 2 places]
(vi) 0.003 × 100 = 0.3 [Shifting the decimal point to the right by 2 places]

Q3

Answer :

We have:

(i) 6.7314 × 1000 = 6731.4 [Shifting the decimal point to the right by 3 places]

(ii) 0.182 × 1000 = 182 [Shifting the decimal point to the right by 3 places]

(iii) 0.076 × 1000 = 76 [Shifting the decimal point to the right by 3 places]

(iv) 6.25 × 1000 = 6250 [Shifting decimal point to the right by 3 places]

(v) 4.8 × 1000 = 4800 [Shifting the decimal point to the right by 3 places]

(vi) 0.06 × 1000 = 60 [Shifting the decimal point to the right by 3 places]

Q4

Answer :

We have the following:

(i) 54 × 16 = 864

∴ 5.4 × 16 = 86.4 [1 place of decimal]

(ii) 365 × 19 = 6935

∴ 3.65 × 19 = 69.35 [2 places of decimal]

(iii) 854 × 12 = 10248

∴ 0.854 × 12 = 10.248 [3 places of decimal]

(iv) 3673 × 48 = 176304

∴ 36.78 × 48 = 1763.04 [2 places of decimal]

(v) 4125 × 86 = 354750

∴ 4.125 × 86 = 354.750 [3 places of decimal]

= 354.75

(vi) 10406 × 75 = 780450

∴ 104.06 × 75 = 7804.50 [2 places of decimal]

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