MATHEMATICS Std VII

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ASSIGNMENT: Fractions and Decimals
General instruction: Students please solve all the questions in your maths notebook and submit your notebook after opening the school.

Exercise: 2.5

Q5. Convert the following Fractions into decimal numbers:

(iii) $3\,{}^{5}/16$

= 3 + 5/16

= 3 + 0.3125

= 3.3125 ans.

Q10. Express 5 cm in metre and kilometer.

Solution:

100 cm = 1 meter

5 cm   = 5/100 m

          = 0.05 m

1000 × 100 cm = 1 km

   5 cm = 5 ÷ 100000

          = 0.00005 km

Exercise 2.6

Q5. Find the area of a rectangle whose length is 5.7 cm and breadth is 3.5 cm.

Solution:

Length of rectangle = 5.7 cm

Breadth of rectangle = 3.5 cm

Area of rectangle   = length × breadth

= 5.7 × 3.5 sq. cm

= 19.95 sq. cm

Q10. A vehicle covers a distance of 43.2 km in 2.4.litres of petrol. How much distance will it cover in one liter of petrol ?

Solution:

Distance covered in 2.4 litres = 43.2 km

Distance covered in 1 litres = 43.2 ÷ 2.4

= 18 km.

Q12. If the product of two decimal numbers is 38.745 and one of the numbers is 2.7 , find the other.

Solution:

Product of two numbers = 38.745

One number =.2.7

Other no. = 38.745 ÷ 2.7

          = 14.35

Exercise 2.7

Q2. (i) $\left(\frac{1}{4} \text{ of } 2\frac{2}{7} \right) \div \frac{3}{5}$

Solution:

$\left(\frac{1}{4} \times 16/7 \right) \times 5/3$

= 4/7 ×5/3

= 20/21 ans.