Sub:Maths class-7 Topic- Division of Decimals.

Do all questions of Ex-3.3 one of each type is done for you.

EXERCISE 3.3

Use Cordova Smart Class Software on the smart board in class to do Exercise.

1. Divide :
   (*i*) 2.5 by 10 (*ii*) 2.5 by 100 (*iii*) 2.5 by 1000
   (*iv*) 3.69 by 10 (*v*) 3.79 by 100 (*vi*) 233.7 by 100
2. Divide :
   (*i*) 25.5 by 0.5 (*ii*) 20.4 by 6 (*iii*) 27 by 0.03
   (*iv*) 89.1 by 3.3 (*v*) 2.73 by 1.3 (*vi*) 0.5 by 0.05
3. Divide :
   (*i*) 12.98 by 4 (*ii*) 36 by 0.4 (*iii*) 30.94 by 7
   (*iv*) 7.75 by 25 (*v*) 24.66 by 12 (*vi*) 6.2 by 248
4. Find :
   (*i*) 12 ÷ 8 (*ii*) 24 ÷ 25 (*iii*) 135 ÷ 2
   (*iv*) 796 ÷ 3184 (*v*) 6 ÷ 125 (*vi*) 17 ÷ 40
5. The cost of 15 notebooks is ₹ 142.50. Find the cost of one such notebook.
6. The total weight of certain bags of rice is 650.16 kg. If each bag weighs 10.32 kg, find the number of bags.
7. The product of two decimals is 32.396. If one of the decimals is 5.2, find the other.

CLASS - 7

Ex - 3.3 (Ch-3)

Division of Decimals :

1. Divide :

(i) 2.5 by $10 = 2.5 \div 10$

$= \frac{25}{10} \times \frac{1}{10} = \frac{25}{100} = 0.25$

(vi) 233.7 by 100

$= 233.7 \div 100$

$= \frac{2337}{10} \times \frac{1}{100} = \frac{2337}{1000} = 2.337$

(2) Divide : (i) 25.5 by 0.5

$= 2.55 \div 0.5$

$= \frac{255}{100} \times \frac{10}{5} = \frac{255}{5} \times \frac{1}{10}$

$= 5\overline{)255}\ (51$, 25, 5, 5, 0

$= \frac{51}{10} = 5.1$ Ans

(3) Divide (i) 12.98 by 4.

$12.98 \div 4 = \frac{1298}{100} \times \frac{1}{4_1} = \frac{324.5}{100}$

$= 3.245$.

(4) (iii) 30.94 by $7 = 30.94 \div 7$

$7\overline{)30.94}\ (4.42$, 28, 29, 28, 14, 14, 0

$= 4.42$.

(5) Cost of 15 notebooks = Rs 142.50.

Cost of 1 notebook = $\frac{142.50}{15}$

$= \frac{14250}{15} \times \frac{1}{100}$

$= \frac{95}{10} = 9.5$.

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      95
15 | 1425
     135
      75
      75
       x
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(6) Total wt. of bags of rice = 650.16 Kg.
wt. of each bag = 10.32 kg.

number of bags = $\frac{650.16}{10.32}$

$= \frac{65016}{100} \times \frac{100}{1032} =$

$= \frac{65016}{1032}$

$= 63$ Ans.

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      63
1032 | 65016
       6192
       3096
       3096
        x
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Teacher's Signature.....