

Division of Decimals by 10, 100 and 1000

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Example: 32.16

1. When we divide a decimal by **10**, we shift the decimal point **1 place to the left.**

$$32.16 \div 10 = 3.216 \quad \left[\frac{3216}{100} \times \frac{1}{10} = \frac{3216}{1000} = 3.216 \right]$$

2. $32.16 \div 100 = 0.3216$ (Shift the decimal point **2 places to the left.**)

3. $32.16 \div 1000 = 0.03216$ (Shift the decimal point **3 places to the left.**)

Exercise(1) : Evaluate the following :

1) $7.56 \times 10 =$

2) $1.32 \times 10 =$

3) $0.12 \times 1000 =$

4) $0.078 \times 100 =$

5) $9.05 \times 10 =$

6) $120.8 \times 100 =$

7) $698.3 \div 10 =$

8) $7.8 \div 100 =$

9) $6.17 \div 1000 =$

10) $8 \div 10 =$

11) $9 \div 100 =$

12) $354 \div 1000 =$

13) $7 \times 100 \div 1000 =$

Exercise (2):

The length of a ribbon is 2.58 m. What is the total length of 1000 such ribbons?

Exercise (3):

Two less than a dozen oranges cost ₹ 180.7. What is the cost of one orange?

Teacher : wisam al mashni