Cosmo School

Class-4

Subject-Mathematics

Chapter-9 (Decimals)

Lecture – 12 (Solution)

Date: 13/10/2020

i. **Write in number:**

a) Seventy one point four three nine.

b) Two hundred two point three seven.

Ans: a) Seventy one point four three nine = 71.439

b) Two hundred two point three seven = 202.37

ii. **Write in words:**

a) 45.610

b) 761.264

Ans: a) 45.610 = Forty five point six one zero.

b) 761.264 = Seven hundred sixty one point two six four.

iii. **What is the short form of 'centimetre', 'millimetre', 'kilogram' and 'gram'?**

Ans: cm, mm, kg and g.

iv. **How many cm is 1 mm?**

Ans: $\frac{1}{10}$ cm / 0.1 cm.

v. **How can you write 4 mm in cm?**

Ans: $\frac{4}{10}$ cm / 0.4 cm.

vi. How can you write 100g in kg?

Ans: $\frac{100}{1000}$ kg / $\frac{1}{10}$ kg / 0.1 kg.

vii. How can you write 500g in Kg?

Ans: $\frac{500}{1000}$ kg / $\frac{5}{10}$ kg / 0.5 kg.

viii. Write the number made of twenty five 0.1s.

Ans: 2.5

$$25 \times 0.1 = \frac{25 \times 1}{10} = \frac{25}{10} = 2.5$$

ix. Write the number made of twenty 0.1s.

Ans: 2.0

$$20 \times 0.1 = \frac{20 \times 1}{10} = \frac{20}{10} = 2.0$$

x. How many 0.1s make 3.2?

Ans: Thirty two 0.1s make 3.2.

$$\frac{3.2}{0.1} = \frac{3.2 \times 10}{0.1 \times 10} = \frac{32}{1} = 32$$

xi. Which is larger 2.1 or 1.3?

Ans: 2.1

xii. Which is larger $\frac{2}{10}$ or 0.3?

Ans: 0.3.

xiii. Write the number made of one hundred and fifty five 0.01s.

Ans: 1.55

$$155 \times 0.01 = \frac{155 \times 1}{100} = \frac{155}{100} = 1.55$$

xiv. Write the number made of one hundred fifty five 0.001s.

Ans: 0.155

$$155 \times 0.001 = \frac{155 \times 1}{1000} = \frac{155}{1000} = 0.155$$

xv. How many 0.01s make 6.82?

Ans: Six hundred eighty two 0.01s make 6.82.

$$\frac{6.82}{0.01} = \frac{6.82 \times 100}{0.01 \times 100} = \frac{682}{1} = 682$$

xvi. How many 0.001s make 6.82?

Ans: Six thousand eight hundred twenty 0.001s make 6.82.

$$\frac{6.82}{0.001} = \frac{6.82 \times 1000}{0.001 \times 1000} = \frac{6820}{1} = 6820$$

xvii. a) $0.56 \times 10 =?$

   b) $789.25 \times 100 =?$

Ans: a) 5.6

   b) 78925

xviii. a) $789.25 \div 100 =?$

   b) $100.26 \div 10 =?$

Ans: a) 7.8925

   b) 10.026

xix.   a) Convert 0.15 into Fraction.

b) Convert $\frac{1}{4}$ into decimals.

c) Convert $\frac{1}{100}$ into decimals.

Ans: a) $0.15 = \frac{15}{100} = \frac{3}{20}$

b) $\frac{1}{4} = \frac{1 \times 25}{4 \times 25} = \frac{25}{100} = 0.25$

c) $\frac{1}{100} = 0.01$

xx.   a) Do addition : 5.52 + 2.65

b) Do subtraction: 4.8 – 3.59

Ans: a) 8.17

b) 1.21

Solution sheet prepared by –

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