



# INDIAN SCHOOL NIZWA— WORKSHEET

## MATHEMATICS

### CH 3: A PEEK BEYOND THE POINT

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class: VII Sec:

#### I. Choose the correct answer

- On a number line, the segment between 3 and 4 is divided into 10 equal parts. Which decimal represents the 6<sup>th</sup> division after 3?  
A) 3.66      B) 3.006      C)  $3\frac{6}{100}$       D)  $3\frac{6}{10}$
- What is the decimal form of 4 ones, 7 tenths and 2 hundredths?  
A) 4.72      B) 47.2      C) 4.072      D)  $4\frac{72}{10}$
- Which of the following is the largest?  
A)  $5\frac{3}{10}$       B) 5.35      C)  $5\frac{4}{10}$       D) 5.305
- Which of the following represents  $\frac{139}{100}$  as a mixed fraction?  
A)  $13\frac{9}{100}$       B)  $1\frac{39}{100}$       C)  $13\frac{39}{100}$       D)  $139\frac{1}{100}$
- Which of these is equal to  $\frac{33}{100}$ ?  
A)  $\frac{3}{10} + \frac{3}{100}$       B)  $\frac{30}{10} + \frac{3}{10}$   
C)  $\frac{3}{10} + \frac{3}{10}$       D)  $\frac{3}{10}$
- How many hundredths are there in 0.3?  
A) 3      B) 30      C) 300      D) 0.03
- 325 cm in metre is  
A) 325 m      B) 32.5 m      C) 0.325 m      D) 3.25 m
- 750 g in kg is \_\_\_\_\_  
A) 0.75 kg      B) 7.5 kg      C) 0.075 kg      D) 75 kg
- What is 99 paise in rupees?  
A) ₹0.09      B) ₹0.99      C) ₹9.90      D) ₹9.99
- 1 mm is how much of a metre?  
A)  $\frac{1}{10}$       B)  $\frac{1}{100}$       C)  $\frac{1}{1000}$       D) 0.01
- Which of the following is between 3.4 and 3.5?  
A) 3.39      B) 3.50      C) 3.45      D) 3.51
- Which number is closest to 2.99?  
A) 3.1      B) 2.95      C) 2.9      D) 3.0
- Between 7.1 and 7.2 on the number line, point A is marked at 7 hundredths after 7.1. The decimal number at point A is \_\_\_\_\_  
A) 7.107      B) 7.117      C) 7.17      D) 7.27

#### II. Fill in the blanks

- The sum of  $3\frac{2}{10}$  and  $2\frac{5}{10}$  (represented as mixed fraction) is \_\_\_\_\_
- The decimal 7.25 represents \_\_\_\_\_ units and \_\_\_\_\_ hundredths.
- The sequence 4.2, 4.5, 4.8 ....., the next term is \_\_\_\_\_
- On a number line the decimal 4.25 is halfway between \_\_\_\_\_ and \_\_\_\_\_.
- 8 tenths = \_\_\_\_\_ hundredths

#### III. Solve

- What is the result of subtracting  $6\frac{4}{10}\frac{7}{100}$  from  $25\frac{9}{10}$ ?
- What is the value of  $15\frac{3}{10}\frac{4}{100} + 2\frac{6}{10}\frac{8}{100}$ ?



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21 Identify and write the decimal numbers against the letters.



22 Solve and write the answer as mixed fraction:

- a)  $25\frac{6}{10}\frac{7}{100} + 34\frac{5}{10}\frac{6}{100}$   
b)  $39\frac{7}{10}\frac{8}{100} - 13\frac{9}{10}\frac{9}{100}$   
c)  $87\frac{7}{100} + 6\frac{5}{10}\frac{11}{100}$

23 Solve:

- a)  $765.98 \text{ kg} - 23.750 \text{ kg}$   
b)  $33.875 \text{ km} - 54.02 \text{ km}$

24 Make number lines for the decimal number 6.275

25 **Assertion and Reasoning Based Question**

**Assertion (A):**  $7.10 = 7.01$

**Reason (R):** Zeros at the end of a decimal do not change its value;

- A) Both A and R are true and R is the correct explanation of A  
B) Both A and R are true and R is not the correct explanation of A  
C) A is true but R is false.  
D) A is false, but R is true.

26 A man runs 2.431 km in the morning and 3.715 km in the evening.

- a) What is the total distance he runs in a day?  
b) How much more does he run in the evening than in the morning?  
c) What will be the total distance run by the man if he runs 1km more in the afternoon?

#### IV. Case Based Questions

27 A tailor is preparing fabric pieces for stitching a custom dress. He has three pieces of cloth that measure 2.45m, 1.35m and 0.75m, respectively. The dress he plans to make requires a minimum of 4.5 m of cloth. Answer the following questions.

- (a) What is the total length of fabric he has?  
(b) Does he have enough material? If not, how much more does he need?  
(c) Convert each length to centimetres and calculate the total again.  
(d) If he wants to add a border of 0.05 m to each piece, what will be the new total?

28 Mira visits the market to buy vegetables for the week. She picks up four items weighing 0.75 kg, 1.35kg, 2.0kg and 0.65kg. She is carrying a reusable shopping bag that has a weight limit of 5kg. Mira wants to ensure that the bag does not tear while carrying the vegetables back home.

Based on the context, answer the following.

- (i) What is the total weight of the vegetables she bought?  
(ii) Can she buy another item weighing 0.45 kg? Why, or why not?  
(iii) Convert the total weight to grams.  
(iv) How much more weight can she carry?

#### Revision

- 1)  $81.659 + 3.009$   
2) Write the terms of the expression  $34 \times 9 + (86 \div 2) - 4 \times 3$   
3) Find the value of the expression  $92 + (7 \times 6) + (35 \div 5)$   
4) Place commas correctly and write the number and number name in Indian and international system of numeration: 45875932  
5) Round off to the nearest ten thousand, lakh and crore: 34,98,76,544