

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2025-26

CLASS: VII

SUBJECT: MATHEMATICS

DATE: 4-11-2025

Lesson 3: A PEEK BEYOND THE POINT

- One tenth =----- hundredth
 - One hundredth =----- thousandth
 - One ten =-----tenth
- Observe the given sequence of numbers. Identify the change after each term and extend the pattern:
 - $\frac{5}{10}, 1, \frac{15}{10}, \text{-----}, \text{-----}, \text{-----}$
 - $7\frac{7}{10}, 7\frac{3}{10}, 6\frac{9}{10}, \text{-----}, \text{-----}, \text{-----}$
 - $3\frac{4}{10}, 4, 4\frac{6}{10}, \text{-----}, \text{-----}, \text{-----}$
 - $8\frac{5}{10}, 8\frac{1}{10}, \text{-----}, \text{-----}, \text{-----}$
- Arrange the following in increasing order:

a) $7\frac{7}{10}$	b) $\frac{15}{10}$	c) $3\frac{4}{10} \frac{31}{100}$	d) $5\frac{6}{10}$	e) 9
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- Arrange the following in descending order:

a) $3\frac{5}{100}$	b) $4\frac{5}{10} \frac{7}{100}$	c) $1\frac{8}{100}$	d) $3\frac{1}{10} \frac{6}{100}$	e) $2\frac{9}{10} \frac{8}{100}$
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- Evaluate:
 - $3\frac{9}{100} + 15\frac{1}{10} + 16\frac{2}{10} \frac{3}{100}$
 - $\frac{5}{10} + \frac{5}{100} + 5\frac{5}{10}$
 - $3\frac{2}{10} \frac{4}{100} + 5\frac{6}{10} \frac{7}{100}$
 - $4\frac{4}{10} \frac{4}{100} + 4 + \frac{4}{10} + 4\frac{4}{100}$
 - $31\frac{4}{10} \frac{12}{100} + 69\frac{2}{10} \frac{45}{100}$
- Find:
 - $7\frac{9}{10} \frac{8}{100} - 7\frac{5}{10} \frac{4}{100}$
 - $8\frac{3}{10} \frac{3}{100} - 3\frac{8}{10} \frac{8}{100}$
 - $35\frac{9}{10} - 4\frac{8}{10} \frac{17}{100}$
 - $3\frac{8}{10} \frac{8}{100} - 1\frac{3}{10} \frac{3}{100}$
 - $14\frac{7}{10} - 4\frac{2}{10}$

7. Write the fractions into decimal form:

a) $\frac{3}{5}$ b) $\frac{2}{25}$ c) $\frac{7}{20}$ d) $\frac{1}{4}$

8. Write the following as decimals:

a) $45 + \frac{3}{10} + \frac{5}{100}$

b) $300 + 50 + 5 + \frac{1}{10} + \frac{1}{100}$

c) 4 hundreds 2 tens 8 ones 3 tenth

d) 9 thousand 6 hundred 7 tenth 18 thousandths

e) 30 hundred 30 tenth 30 hundredths 30 thousandths

9. Convert the following decimals into fractional form:

a) 1.20

b) 0.55

c) 6.5

d) 0.6

e) 2.25

10. Using the digits 2, 5, 1, 0, 9 once make

a) A decimal number closest to 20

b) A decimal number closest to 100

11. Evaluate:

a) $15 + 0.632 + 13.8$

b) $0.75 + 10.425 + 2$

c) $11.6 - 9.847$

d) $27.076 + 0.55 + 0.004$

e) $21.05 - 15.27$

f) $0.007 + 8.5 + 30.08$

12. Convert the following as instructed:

a) 45m to cm

b) 9070mm to m

c) 850g to kg

d) 3905 mg to Kg

e) 32g to mg

f) 25 paise to rupees

g) 345 rupees to paise

h) 10mm to cm

13. Aakash bought vegetables weighing 10Kg. Out of this 3Kg 500g onions, 2Kg 75g tomatoes and the rest of potatoes. What is the weight of potatoes?

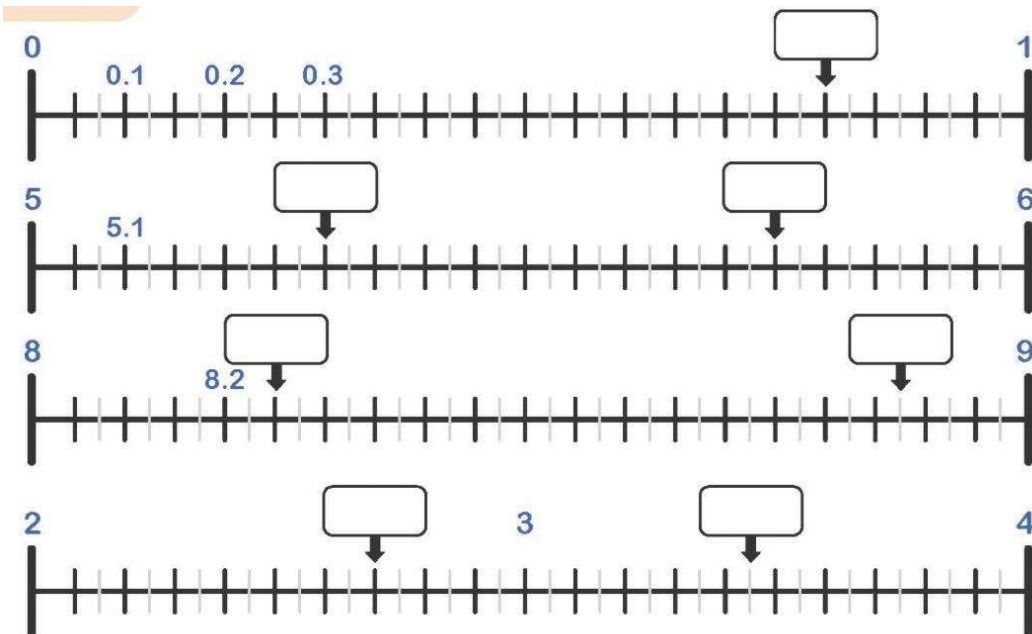
14. Mark on the number line:

a) $4, 4\frac{4}{10}, 1\frac{4}{10}$

b) $5\frac{7}{10}, 5\frac{7}{100}, 5\frac{7}{10}\frac{7}{10}$

c) $7\frac{3}{10}, 7\frac{45}{100}$

15. What decimal number does each box represent in the number line below?



Answers:

1. a) 10

b) 10

c) 100

2. a) change: $\frac{5}{10}$, Next 3 terms 2, $\frac{25}{10}$, 3

b) change: $\frac{4}{10}$, $6\frac{5}{10}, 6\frac{1}{10}, 5\frac{7}{10}$

c) Change: $\frac{6}{10}$, $5\frac{2}{10}, 5\frac{8}{10}, 6\frac{4}{10}$

d) Change: $\frac{4}{10}$, $7\frac{7}{10}, 7\frac{4}{10}, 6\frac{9}{10}$

3. $b < c < a < d < e$

4. $b > d > a > e > c$

5. a) $34\frac{3}{10}\frac{12}{100}$

b) $6\frac{5}{10}$

c) $8\frac{8}{10}\frac{11}{10}$

d) $12\frac{8}{10}\frac{8}{10}$

e) $100\frac{6}{10}\frac{57}{100}$

6. a) $\frac{4}{10}\frac{4}{100}$

b) $4\frac{45}{10}$

c) $30\frac{93}{100}$

d) $2\frac{5}{10}\frac{5}{100}$

e) $10\frac{5}{10}$

7. a) 0.6 b) 0.08 c) 0.35 d) 0.25
8. a) 45.35 b) 355.11 c) 428.3 d) 9600.718 e) 3003.330
9. a) $\frac{6}{5}$ b) $\frac{11}{20}$ c) $\frac{13}{2}$ d) $\frac{3}{5}$ e) $\frac{9}{4}$
10. a) 20.159 b) 102.59
11. a) 29.432 b) 13.175 c) 1.753 d) 27.630
e) 5.78 f) 38.587
12. a) 4500cm b) 9.070m c) 0.850Kg d) 0.003905Kg
e) 32000mg f) ₹0.25 g) 34500p h) 1cm
13. 4kg 425g
