

INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2026-27

CLASS: VII

SUBJECT: MATHEMATICS

DATE: 24-06-2026

Lesson 3: A PEEK BEYOND THE POINT

1. a) One tenth =----- thousandth
b) One hundred =----- tenth
c) One ten =-----hundredth
2. Observe the given sequence of numbers. Identify the change and extend the pattern:
 - a) $\frac{15}{10}, 2, \frac{25}{10}, \text{-----}, \text{-----}, \text{-----}$
 - b) $4\frac{7}{10}, 4\frac{3}{10}, 3\frac{9}{10}, \text{-----}, \text{-----}, \text{-----}$
 - c) $5\frac{4}{10}, 6, 6\frac{6}{10}, \text{-----}, \text{-----}, \text{-----}$
 - d) $0.1, 0.3, 0.5, \text{-----}, \text{-----}, \text{-----}$
 - e) $14.75, 14.25, 13.75, \text{-----}, \text{-----}, \text{-----}$
 - f) $2.1, 3.3, 4.5, \text{-----}, \text{-----}, \text{-----}$
3. Arrange the following in descending order:
 - a) $4\frac{5}{100}$
 - b) $4\frac{5}{10}\frac{7}{100}$
 - c) $4\frac{8}{100}$
 - d) $4\frac{1}{10}\frac{6}{100}$
 - e) $4\frac{9}{10}\frac{8}{100}$
4. Arrange the following in increasing order:
 - a) $5\frac{3}{10}$
 - b) $\frac{13}{10}$
 - c) $5\frac{3}{10}\frac{5}{100}$
 - d) $5\frac{6}{10}$
 - e) $5\frac{2}{10}$
5. Evaluate:
 - a) $21\frac{8}{10}\frac{2}{100} + 79\frac{5}{10}\frac{5}{100}$
 - b) $9\frac{9}{10}\frac{9}{100} + 9 + \frac{9}{10} + 9\frac{9}{100}$
 - c) $6\frac{2}{100} + 24\frac{9}{10} + 13\frac{3}{10}\frac{5}{100}$
 - d) $\frac{3}{10} + \frac{3}{100} + 3\frac{3}{10}$
 - e) $8\frac{3}{10}\frac{7}{100} + 7\frac{1}{10}\frac{2}{100}$
6. Find:
 - a) $4\frac{8}{10}\frac{8}{100} - 1\frac{3}{10}\frac{3}{100}$
 - b) $15\frac{9}{10} - 4\frac{8}{10}\frac{7}{100}$
 - c) $5\frac{5}{10}\frac{4}{100} - 4\frac{1}{10}$

d) $9\frac{4}{10}\frac{4}{100} - 3\frac{2}{10}\frac{2}{100}$

e) $14\frac{7}{10} - 4\frac{2}{100}$

7. Write the fractions into decimal form:

a) $\frac{3}{4}$

b) $\frac{9}{20}$

c) $\frac{7}{25}$

d) $\frac{1}{5}$

8. Write the following as decimals

a) 7 thousand 5 hundred 8 tenth 26 thousandths

b) $500 + 40 + 5 + \frac{1}{10} + \frac{1}{100}$

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

d) 2 hundreds 2 tens 2 ones 2 tenth

e) 10 hundred 40 tenth 15 hundredths 20 thousandths

9. Convert the following decimals into fractional form:

a) 0.4

b) 6.25

c) 3.50

d) 0.45

e) 8.5

10. Using the digits 3, 6, 1, 0, 4 once make

a) A decimal number closest to 20

b) A largest decimal number between 300 and 400

11. Which decimal number is greater?

a) 1.34 or 1.43

b) 1,011 or 1.101

c) 4.678 or 4.687

12. Evaluate:

a) $55.048 + 0.99 + 0.002$

b) $15.05 - 11.27$

c) $25 + 0.342 + 2.8$

d) $81.8 - 12.747$

e) $0.57 + 73.126 + 4$

f) $13.007 + 6.5 - 10.08$

13. Convert the following as instructed:

a) 20mm to cm

b) 4405 mg to Kg

c) 25 paise to rupees

d) 75m to cm

e) 2080mm to m

f) 5750g to kg

g) 98g to mg

h) 345 rupees to paise

14. Aavani bought vegetables weighing 15Kg. Out of this 4Kg 700g onions, 5Kg 85g tomatoes and the rest of potatoes. What is the weight of potatoes?

15. Priya needs 3.7 m of cloth for her kurta and Aliya needs 4.2m for her kurta

a) What is the total quantity of cloth needed?

b) How much longer is Aliya's cloth compared to Priya's

16. Mark on the number line:

a) $3\frac{3}{10}$, $3\frac{75}{100}$

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

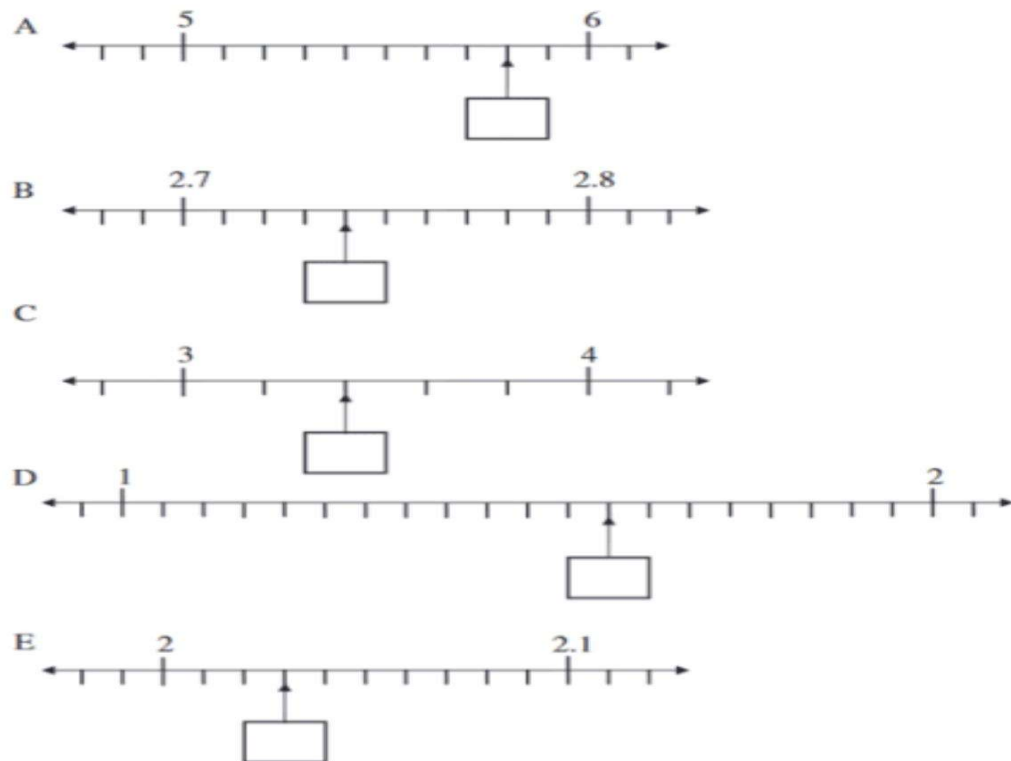
c) $8\frac{8}{10}$, $8\frac{8}{100}$, $8\frac{8}{10}$, $\frac{8}{100}$

d) 7.3

e) 2.8

f) 5.5

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



Answers:

1. a) 100 b) 1000 c) 1000
2. a) Change- $\frac{5}{10}$, Next 3 terms: 3, $\frac{35}{10}$, 4
b) Change: $\frac{4}{10}$, Next terms: $3\frac{5}{10}$, $3\frac{1}{10}$, $2\frac{7}{10}$
c) Change: $\frac{6}{10}$, Next terms: $7\frac{2}{10}$, $7\frac{8}{10}$, $8\frac{4}{10}$
d) Change: 0.2, Next terms: 0.7, 0.9, 1.1
e) Change: 0.50, Next terms: 13.25, 12.75, 12.25
f) Change: 1.2, Next terms: 5.7, 6.9, 8.1
3. $e > b > d > c > a$
4. $b < e < a < c < d$
5. a) $101\frac{3}{10}\frac{7}{100}$ b) $28\frac{8}{10}\frac{18}{100}$ c) $44\frac{2}{10}\frac{7}{100}$
d) $3\frac{6}{10}\frac{3}{100}$ e) $15\frac{4}{10}\frac{9}{100}$
6. a) $3\frac{5}{10}\frac{5}{100}$ b) $11\frac{3}{100}$ c) $1\frac{4}{10}\frac{4}{100}$
d) $6\frac{2}{10}\frac{2}{100}$ e) $10\frac{6}{10}\frac{8}{100}$
7. a) 0.75 b) 0.45 c) 0.28 d) 0.20
8. a) 7500.826 b) 545.11 c) 45.35 d) 222.2 e) 1004.17
9. a) $\frac{2}{5}$ b) $\frac{25}{4}$ c) $\frac{7}{2}$ d) $\frac{9}{20}$ e) $\frac{17}{2}$
10. a) 16.430 b) 364.10
11. a) 1.43 b) 1.101 c) 4.687
12. a) 56.04 b) 3.78 c) 28.142
d) 69.053 e) 77.696 f) 9.427
13. a) 2cm b) 0.004405kg c) ₹0.25 d) 7500cm e) 2.08m
f) 5.75kg g) 98000mg h) 34500paise
14. 5.215kg
15. a) 7.9m b) 0.5m
16. A) 5.8 B) 2.74 C) 3.4 D) 1.6 E) 2.03
