RAJIV VIDYA MISSION (SSA), A.P., HYDERABAD
SUMMATIVE TEST - MATHEMATICS

Subject: Mathematics **Class: 7** **Time : $2\frac{1}{2}$ hrs.**

**Name of the student:.......................................** **R. No. ....**

| Acad. Std.	Problem Solving					Reasoning & Proof					Communication					Connections					Reprentation					Overall grade
Qn. Nos.	2	3	6	7	16	1	8	9	10	12	4	12	15	18	25	11	20	19	22	4	5	13	14	21	23	
Q. wise Grade																										
Acad. Std. wise grades																										

I **Answer the following.**

1) A shopkeeper earns a profit of Rs.1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils.

    a) In a particular day she incurs a loss of Rs.5/- In this period she sold 45 pens. How many pencils did she sell in this period?

    b) On the next day she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell?

2) A merchant on selling a bag of rice earns a profit of Rs. 25 per first kind rice and loss of Rs. 15/- per a bag of second kind rice. On a particular day if he sells 80 bags of first kind and 120 bags of second kind. What was his profit or loss?

3) $A = 6\frac{1}{4} - 3\frac{1}{2}$, $B = 3\frac{1}{4} \times \frac{2}{13}$, $C = 3 \div \frac{2}{3}$ arrage A, B, C is ascending order.

4)
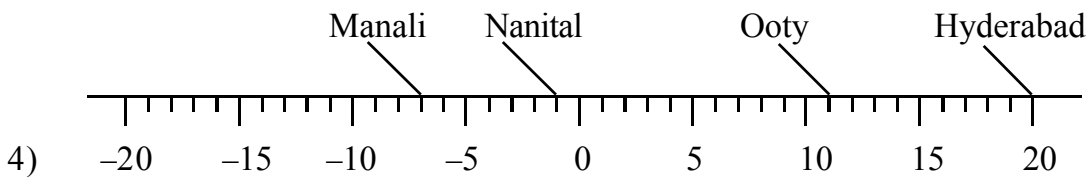
    i) Write the temperature of the cities indicated on number line.

    ii) Which city has maximum temperature?

    iii) Which city has minimum temperature?
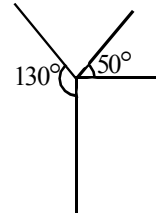
5)
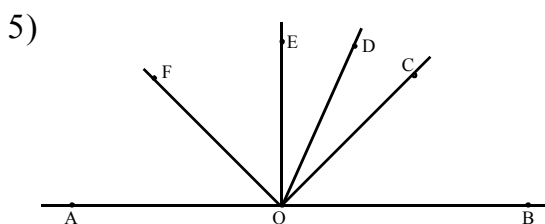
Write all the angles formed in the given diagram and classify them into acute and obtuse angle.
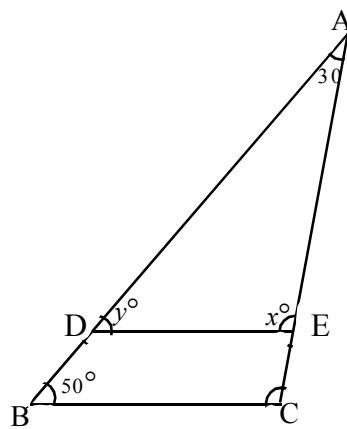
II   Answer the following questions given below

6) Find the average of 3.28, 4.21 and 4.51

7) Solve $14 = 27 - x$

8) If a number is doubled and added '7' the result is 49. Find the number!
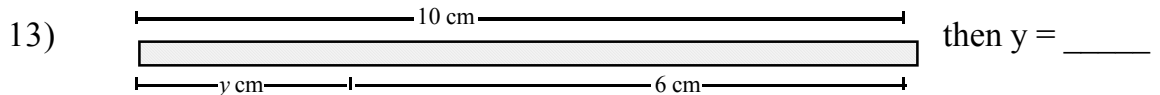
9) Can we call these two angles as linear pair

130° 50°

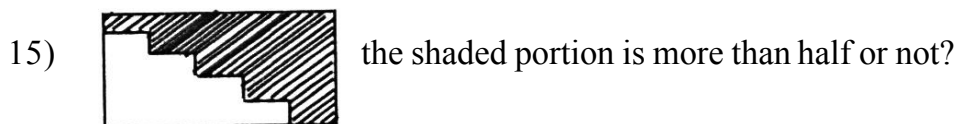10) Can a pair of angles that are adjacent be supplementary? Justify with your answer..

11)

A
30°

DE ∥ BC
from the figure what
are the values of x, y, z.

D $y°$ $x°$ E

50°
B   C

12) I am a number, double me and add 36, to reach hundred I need four, then who
    am I ? express in a Mathematical sentence.

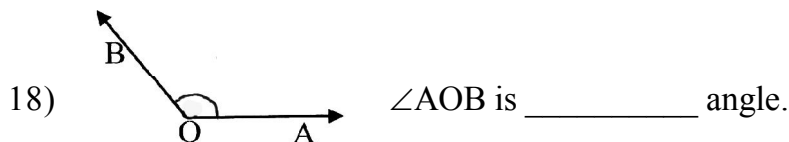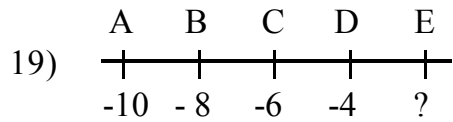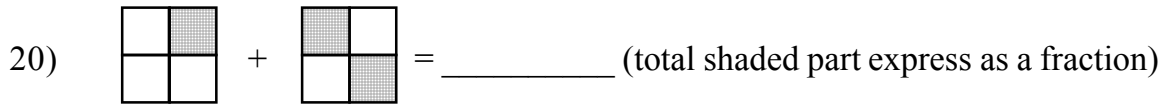13)

10 cm
y cm   6 cm

then y = _____

14) Expand 25.406

15)

the shaded portion is more than half or not?

III   Fill in the blanks.

16) Supplemnetary angle of 105° is _____

17) $4.5 - 1.2 = $ .... $+ 2.2$

18)

B
O   A

∠AOB is _____ angle.

A   B   C   D   E

19) ┼────┼────┼────┼────┼   Value at E is _____

     -10 - 8   -6   -4   ?

20) ▢▢ + ▢▢ = _____ (total shaded part express as a fraction)

IV   Match the following

21)

A ──────── B
     30°
C 30°
          ─ D

[   ]   A) 5
[   ]   B) 3.13

22)

A
     30° B
C 50°
          ─ D
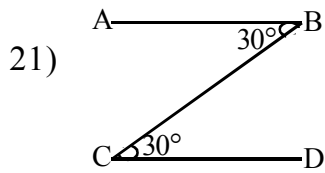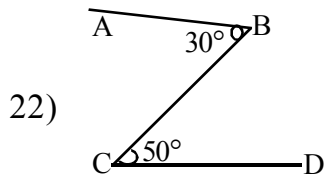
[   ]   C) AB $\parallel$ CD
[   ]   D) AP $\nparallel$ CD

23) $0 + \dfrac{1}{10} + \dfrac{3}{100} =$ [   ]   E) -1

24) If $2 + y = 7,$ then $y =$ [   ]   F) 1.3

25) $(-1) \times (-1) \times (-1) \times (-1) \times (-1)$ [   ]   G) 0.13