INTERNATIONAL INDIAN SCHOOL BURAIDAH

Mid Term Examination Sample Question Paper (2023-2024)
Class: VII / Mathematics

Date:21-09-2023 **Duration: 3hrs**
Max. Marks: 80M

SECTION-A

Choose the correct option from the bracket: - **(1× 9 = 9M)**

1. The additive identity for Integers is ------
   a)0 b) 2 c) 3 d) -2
2. $\frac{1}{2}$ of 24 = -------
   a) 12 b)10 c)1 d) 24
3. ---------× 100 = 60
   a) 6 b) 0.06 c) 0.006 d) 0.6
4. For which one of the following equations 3 is not a solution
   a) X + 3= 6 b) x – 3 = 0 c) x + 3 = 0 d) $\frac{x}{3}$ = 1
5. The supplement of 72° is -------
   a) 72° b) 18° c) 108° d) 180°
6. A cone has -------edges
   a)1 b)2 c) 3 d) 0
7. -12=4(x-1). The value of
   a) -2 b) 2 c) 0 d)1
8. (-28)÷ (-28) = -------
   a) -1 b) 0 c) 1 d) 2
9. The range of 12,9,14,17,3,2,1 is ----
   a) 16 b) 2 c) 1 d) 17

SECTION-B

FILL IN THE BLANKS: - **(1× 6 = 6M)**

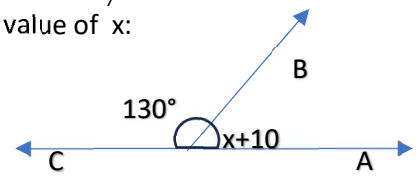
1. The front view of a cube is-------
2. The additive inverse of (-23) =-----
3. The product of a number and its reciprocal is always---------
4. The solution of x+ 3= 0 is -------
5. The mean is also called------
6. Two angles forming a linear pair are-------

SECTION-C

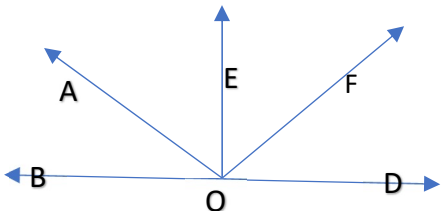
Answer the following questions: - **(2× 11 = 22 M)**

1. Find the mean of 72,90,85,90,77

2. Using the suitable properties of multiplication, find the product
   $47 \times (-103) + 2 \times 47$
3. Find a) $2\frac{6}{7} \div 10$ b) $\frac{2}{7} \times \frac{1}{4}$
4. Write a pair of integers whose a) Sum= 0 b) difference = a negative integer
5. Ramesh solved $\frac{2}{7}$ part of an exercise while Seema solved $\frac{4}{5}$ of it . Who solved lesser part?
6. Find the value of x:



7. What cross-sections do you get when you give a
   a) vertical cut b) horizontal cut
   to the following solids
   a) A cuboid b) A sphere
8. The number of boys in a class is 11 more than the number of girls in the class. If there are 75 students in the class, Find the number of boys and girls.
9. In the adjoining fig.name the following pair of angles:



   a) Equal complementary angles
   b) Supplementary angles
10. The capacity of a can is $3\frac{3}{4}$ L. How many such can are required to fill 90L of oil?
11. Solve a) $8x - 1 = -11$ b) $x + \frac{3}{4} = \frac{7}{8}$

SECTION-D

Answer the following questions: - **(3× 9 = 27 M)**

1. The cost of two dozen water bottles is ₹1576.80
   a) Find the cost of 10 such water bottles
   b) How many bottles can be bought with ₹2956.50?
2. a) Find the mode and median of the observations:
   15,10,25,30,12,25,40,20

OR

b) Three friends play golf. Their scores on six holes are given below:

Player 1	5	4	2	4	10	7
Player2	5	5	5	5	5	5
Player3	3	10	4	4	7	8

Based on the above information answer the following questions:

1. Find the average score of Player1
2. Whose average score is more, Player 2 or Player3
3. Who is the best performer among the 3 players

3. a) In a test, 5 marks are given for every correct answer and (-3) mark are given for every incorrect answer and no marks for not attempting questions. Neha scored 30 marks. If she has got 15 correct answers, how many questions has she attempted incorrectly?

OR

b) A certain freezing process requires that room temperature be lowered from 40°C at the rate of 5°C per hour. What will be the room temperature 10 hours after the process begins?

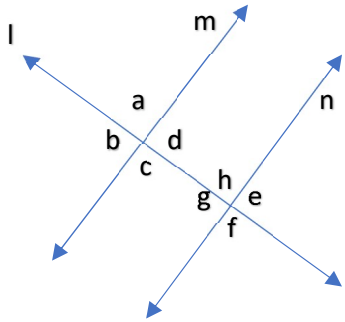
4. The length of the rectangle is 2 more 3 times of its breadth. Find its Perimeter

5. Solve: a) 1. -3(x+ 2) =15 2. $\frac{2}{3} + 7 = 2$

OR

b) The age of Ali is one -third the age of his mother. If the sum of their ages is 48, find the Age of Ali

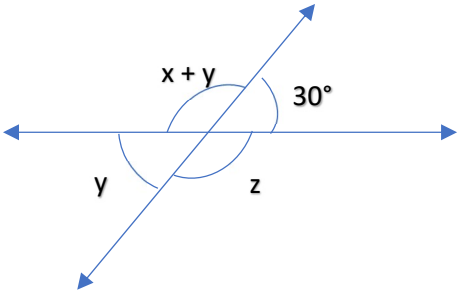
6. Frame the equations and solve it:
   a) 2 more than one-fifth of a number is 10.
   b) If one more than 5 times a number is 51



7. From the figure identify:
a) Corresponding angles
b) Alternate interior angles
c) Pair of interior angles on the same side of the transversal

8. In a class test containing 20 questions,10marks awarded for every correct answer and (-4) marks are awarded for every incorrect answer and 0for questions not attempted
   a) Mohini gets 14 correct and 6 incorrect answers. What is her score?
   b) Ajay gets 10 correct answers and 10 incorrect answers, what is his score?

9. Find the value of the angles x, y and z in the given figure:



SECTION-E

Answer the following questions: - **(4× 4 = 16 M)**

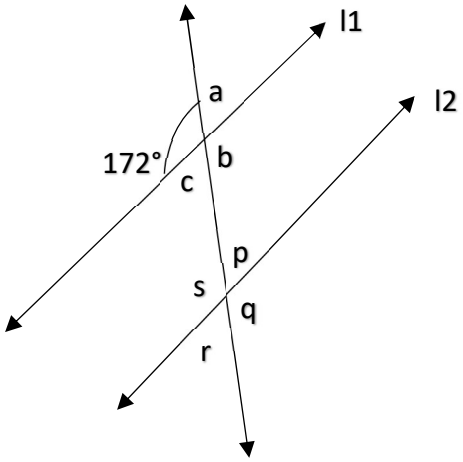
1. Find a) $3\frac{1}{4} + 5\frac{1}{6}$ b)$4\frac{3}{5} - 3\frac{5}{6}$

2. A shop keeper earns a profit of ₹1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of her old stock.

a) In a particular month she incurs a loss of ₹5.in this period, she sold 45 pens. How many pencils did she sell in this period

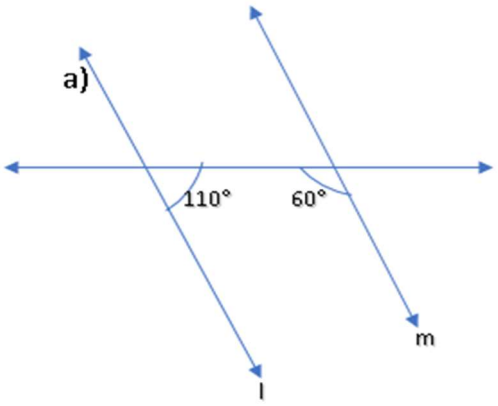
b) In the next month she earns neither profit nor loss. If she sold 70 pens, how many pencils did she sell

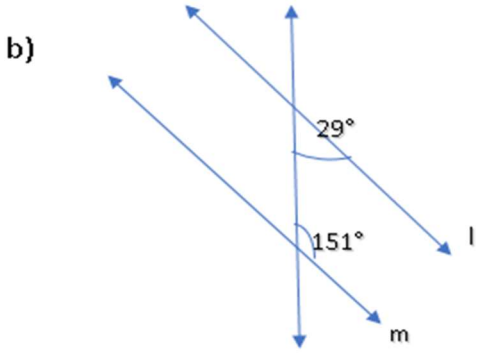
3. a) If l‖ m in the given figure, Find the unknown angles.



OR

b) Check whether l‖ m in the following cases:





4.a) The number of technicians working in a factory I two shift for 6 days is given below. Represent the data using a double bar graph:

	Mon	Tues	Wed	Thu	Fri	Sat
Shift 1	120	128	132	125	140	135
Shift2	138	142	123	136	134	130

OR

b) Represent the data on a bar graph

Class	I	II	III	IV	V
No. of children	65	90	40	78	95

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