KENDRIYA VIDYALAYA SANGATHAN

HYDERABAD REGION

MODEL FORMATIVEASSESSMENT- I

CLASS: VII MARKS: 40

SUBJECT: MATHEMATICS DURATION: 1 ½ Hrs

General Instructions:

1. *All questions are compulsory.*
2. *The question paper consists of 17 questions divided into four sections A, B, C and D.*
3. *Section A contains 5 questions of 1 mark each, which are multiple choice type questions, Section B contains 4 questions of 2 marks each, Section C contains 5questions of 3 marks each, and Section D contains 3 questions of 4 marks each.*
4. *Use of calculators is not permitted.*

SECTION-A

Question Numbers from 1 to 5 carry 1 mark each. For each of the questions from 1 to5, four alternative choices have been provided, of which only one is correct. Select the correct choice.

1. The additive inverse of 76 is ( )

   A) 76 B) 0 C)-76 D) 1

2. (-5) + (-8) = (-8) + (……..) ( )

   A) -5 B) -13 C) -8 D) 5

3. The complement of 80^0 ( )

   A) 100^0 B) 180^0 C) zeroD)10^0

4. 0.3 ÷ 10 ( )

   A) 0.03 B) 30 C) 3.0cm D) 0.3

5. The range of the observations 32,41,28,54,35,26,23,33,38,40 is

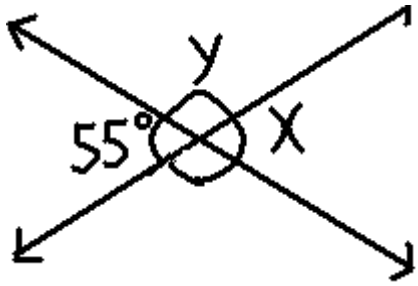
6. A) 30 B) 31 C) 32 D) 29( )

SECTION-B

Question Numbers 6 to 9 carry 2 marks each.

6.Find each of the following products.
a) (-15) x 0 x (-18)
b)(-3) x (-6) x (-2) x (-1)

7. Find the values of the angles x and y in the following figure.



8. Find $\frac{2}{3}$ of 18

9.There are 6 marbles in a box with numbers 1 to 6 marked on each of them.

(a) What is the probability of drawing a marble with number 2 ?
(b) What is the probability of drawing a marble with number 5 ?

SECTION-C

Question numbers 10 to 14 carry 3 marks each.

10.Find the product, using special properties.

26 x (-48) + (-48) x (-36)

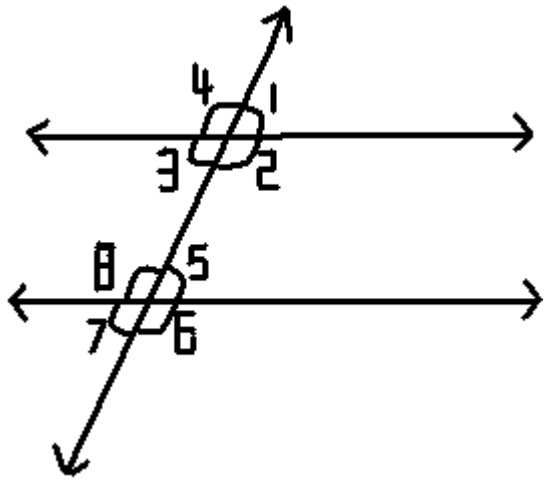
11. Find $\frac{4}{9} \div \frac{2}{3}$

12. In the figure given below, identify

(a) a pair of corresponding angles

(b) a pair of alternate interior angles

(c) a pair of interior angles on the same side of the transversal



13. The length of a rectangle is 7.1 cm and its breadth is 2.5 cm.

What is the area of the rectangle ?

14 . The runs scored in a cricket match by 11 players is as follows:

6,15,120,49,93,80,11,10,15,8,10,15

Find the mean, median and mode of this data.

SECTION-D

Question numbers 15 to 17 carry 4 marks each.

15. In a class test (+3)marks are given for every correct answerand (-2) marks are given for every incorrect answer and no marks for not attempting anyquestion. Radhika scored 20 marks, if she has got 12 correct answers, how many questions has she attempted incorrectly ?

16. A car covers a distance of 89.1 km in 2.2 hours. What is the average distance covered by it in 1hour?

17. Draw a double bar graph for the following data by choosing an appropriate scale.

Favourite sport	*cricket*	*Basket ball*	*swimming*	*hockey*	*athletics*
Watching	*1240*	*470*	*510*	*430*	*250*
participating	*620*	*320*	*320*	*250*	*105*

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SCORING KEY FORMODEL FORMATIVE ASSESSMENT- I

CLASS: VI MARKS: 60

SUBJECT: MATHEMATICS DURATION: 1 ½ Hrs

SECTION-A

1. C 1 m

2. A 1 m

3. D 1 m

4. A 1 m

5. B 1 m

6. (a) 0 1 m

(b) 36 1 m

7. x=55 1 m

Y= 125 1m

8. Changing into product form ½ m

Finding the product 1 m

Simplified result 12 ½ m

9. (a) $\frac{1}{6}$ 1 m

(b) $\frac{1}{6}$ 1 m

10. -48(26-36) 1m

-48(-10) 1m

480 1m

11. $\frac{4}{9}$ x $\frac{3}{2}$ 1m

$\frac{12}{18}$ 1m

$\frac{2}{3}$ 1m

12. each pair of requisite angles 1 m

13. A=l x b 1m

7.1 cm x 2.5 cm 1m

17.75 sq. cm 1m

14. mean = 36 1 m

Median = 15 1 m

Mode = 15 1 m

15. (12) x (+3) = +36 1 m

(20) –(36) = -16 1 m

(-16) ÷ (-2) 1 m

Incorrect answers=8 1 m

16. 89.1 ÷ 2.2 1 m

$\frac{891}{10} \div \frac{22}{10}$ 1 m

$\frac{891}{10} \times \frac{10}{22}$ 1 m

Average distance = 40.5 km 1 m

17. choosing suitable scale on both the axes 1 m

Representing watching and participating if different shades 1 m

Showing each sport on the axes 1 m

Taking correct height of bars 1 m