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. $0.3 \div 10$ (   )

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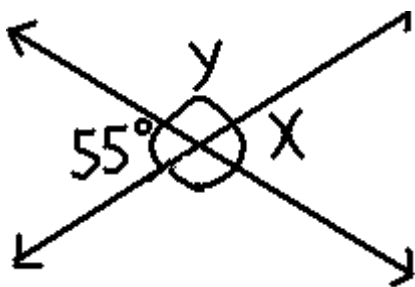
6. A) 30   B) 31   C) 32   D) 29(   )

0

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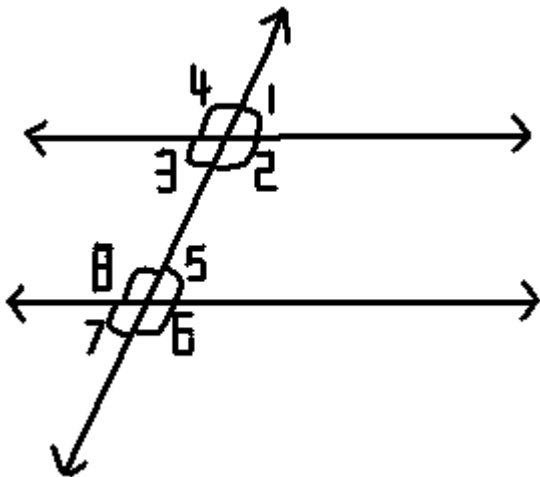
26 x (-48) + (-48) x (-36)

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

1

(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.

2

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

****

3