KENDRIYA VIDYALAYA GACHIBOWLI, HYDERABAD
MODEL PAPER 03 FOR FA – 1 (20156– 17)
CLASS – VII
MATHEMATICS

T.T. 1:30   **M.M. 40**
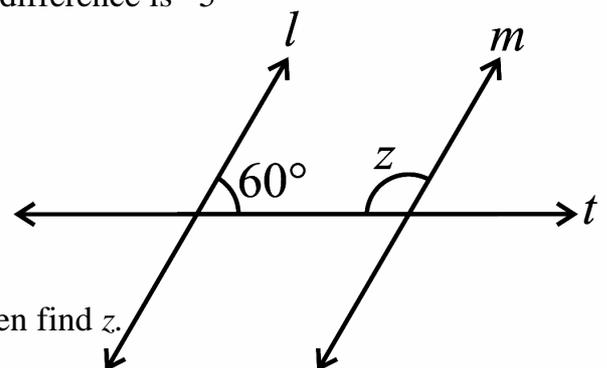
General Instructions:
1. All questions are compulsory.
2. Question paper is divided into four sections: Section A contains 4 questions each carry 1 mark, Section B contains 4 questions each carry 2 marks, Section C contains 4 questions each carry 3 marks and Section D contains 4 questions each carry 4 marks.

SECTION – A(1 marks each)

1. Evaluate: $[(-16) \div 4] \div (-2)$

2. Express 235 paise as rupees using decimals.

3. Express 4 kg 8 g in kg.

4. Find the complementary angle of 40^0.

SECTION – B(2 marks each)

5. Write down a pair of integers whose (a) sum is –3 (b) difference is –5

6. Find the product, using suitable properties:
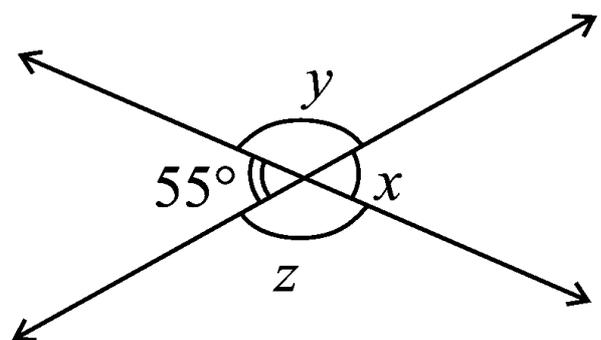(a) $8 \times 53 \times (-125)$
(b) $(-57) \times (-19) + 57$

7. Arrange $\frac{2}{3}, \frac{8}{21}, \frac{2}{9}$ in descending order.

8. In the adjoining figure Lines $l \parallel m$; t is a transversal then find z.

SECTION – C(3 marks each)

9. Verify the following:
(a) $(-30) \times [13 + (-3)] = [(-30) \times 13] + [(-30) \times (-3)]$
(b) $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$
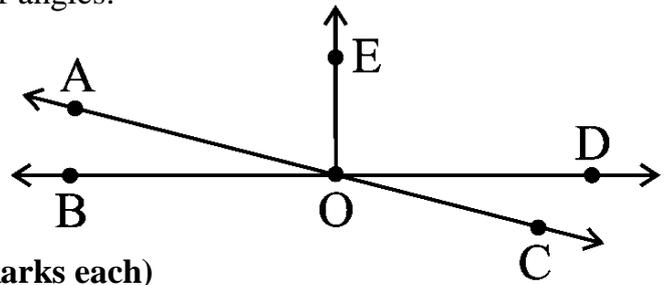
10. Ritu ate $\frac{3}{5}$ part of an apple and the remaining apple was eaten by her brother Somu. How much part of the apple did Somu eat? Who had the larger share? By how much? What are the benefits of eating fruits?

11. Find the values of the angles x, y, and z in the adjoining figure.

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12. In the adjoining figure, name the following pairs of angles.
  (i) Equal supplementary angles
  (ii) Unequal supplementary angles
  (iii) Adjacent angles that do not form a linear pair
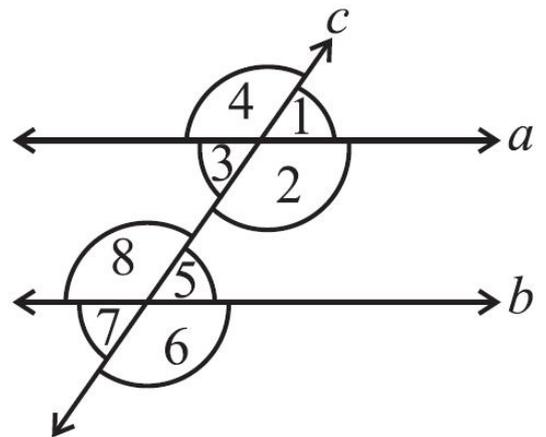

<u>**SECTION – D(4 marks each)**</u>

13. In a class test containing 10 questions, 5 marks are awarded for every correct answer and (–2) marks are awarded for every incorrect answer and 0 for questions not attempted.
  (i) Mohan gets four correct and six incorrect answers. What is his score?
  (ii) Reshma gets five correct answers and five incorrect answers, what is her score?
  (iii) Heena gets two correct and five incorrect answers out of seven questions she attempts. What is her score?

14. Saili plants 4 saplings, in a row, in her garden. The distance between two adjacent saplings is m. Find the distance between the first and the last sapling. How can we save our environment?

15. In the adjoining figure, identify
  (i) the pairs of corresponding angles.
  (ii) the pairs of alternate interior angles.
  (iii) the pairs of interior angles on the same side of the transversal.
  (iv) the vertically opposite angles.

16. (i) Express 5 cm in metre and kilometre
  (ii) Express 35 mm in cm, m and km