

KENDRIYA VIDYALAYA GACHIBOWLI, HYDERABAD
MODEL PAPER 01 FOR FA – 1 (2016 – 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: $[(-6) + 5] \div [(-2) + 1]$
2. Express 7 rupees 7 paise as rupees using decimals.
3. Express 3470 g in kg.
4. Find the angle which is equal to its complement.

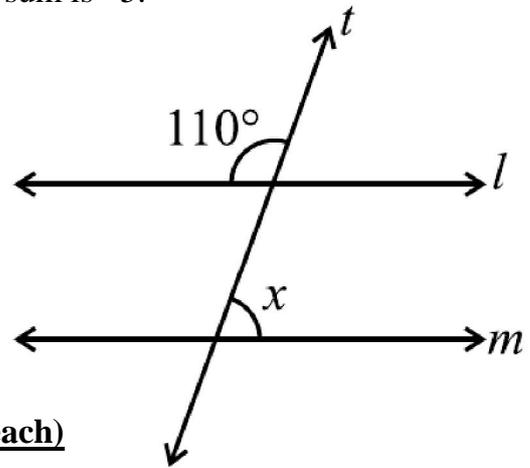
SECTION – B(2 marks each)

5. (a) Write a pair of negative integers whose difference gives 8.
 (b) Write a negative integer and a positive integer whose sum is -5 .

6. Find the product, using suitable properties:
 (a) $26 \times (-48) + (-48) \times (-36)$
 (b) $8 \times 53 \times (-125)$

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

8. Find the value of x in the given figures if $l \parallel m$.

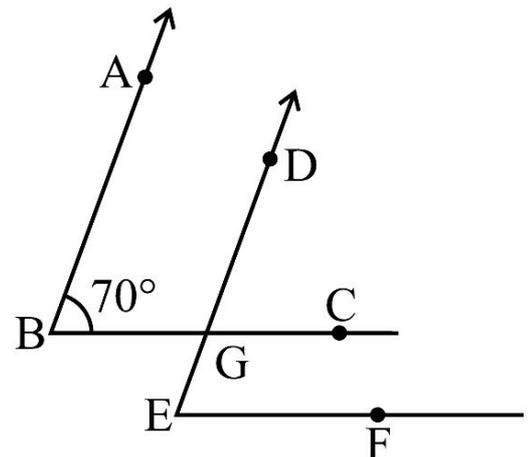


SECTION – C(3 marks each)

9. Verify the following:
 (a) $18 \times [7 + (-3)] = [18 \times 7] + [18 \times (-3)]$
 (b) $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$

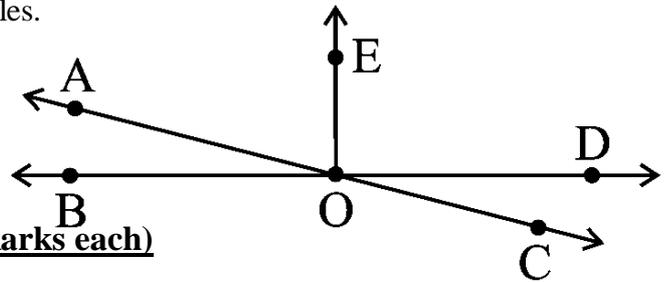
10. Shyama bought 5 kg 300 g apples and 3 kg 250 g mangoes. Sarala bought 4 kg 800 g oranges and 4 kg 150 g bananas. Who bought more fruits? What are the benefits of eating fruits?

11. In the given figure, the arms of two angles are parallel. If $\angle ABC = 70^\circ$, then find (i) $\angle DGC$ (ii) $\angle DEF$



12. In the adjoining figure, name the following pairs of angles.

- (i) Obtuse vertically opposite angles
- (ii) Adjacent complementary angles
- (iii) Equal supplementary angles

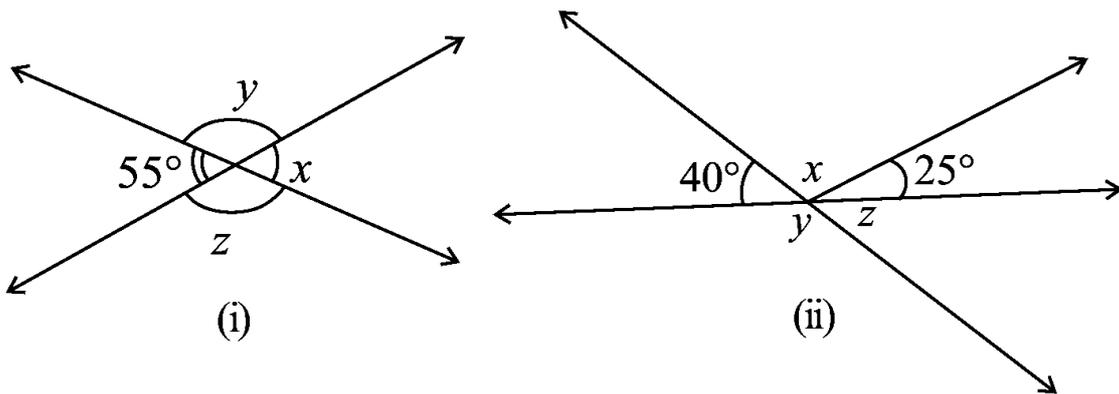


SECTION – D(4 marks each)

13. In a class test containing 15 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer. (i) Gurpreet attempts all questions but only 9 of her answers are correct. What is her total score? (ii) One of her friends gets only 5 answers correct. What will be her score? What you will do to get very good marks in all subjects?

14. Vidya and Pratap went for a picnic. Their mother gave them a water bag that contained 5 litres of water. Vidya consumed $\frac{2}{5}$ of the water. Pratap consumed the remaining water. (i) How much water did Vidya drink? (ii) What fraction of the total quantity of water did Pratap drink?

15. Find the values of the angles x , y , and z in each of the following:



16. Manoj donated a rectangular plot combined with triangular plot for a school, in Mahuli village. Find the perimeters of (i) triangle ABE (ii) the rectangle BCDE in this figure. Whose perimeter is greater? What value is depicted from this?

