KENDRIYA VIDYALAYA SANGATHAN
HYDERABAD REGION
Marking Scheme MODEL PAPER(TERM 1)   FORMATIVE ASSESSMENT 1

Marks: 40

Class – VIII   Time: 90 mins

Subject - Mathematics

1.(c)

2.(b)   (1 mark each)

3.(a)

4.(b)

5.(d)

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6. For showing 2/11 on the number line- 1 mark

For showing -5/11 on the number line – 1 mark

7. $x/3 = -5/2 – 3/2$ (1/2 mark)

   $x/3 = -8/2$ (1/2 mark)

   $x/3 = - 4$ (1/2 mark)

   $x = -12$ (1/2 mark)

8. $\angle A = 65°$

$\angle C = 65°$ (Opposite angles are equal) - ½ mark

$\angle A + \angle B = 180°$ (adjacent angles are supplementary) - ½ mark

$\angle B = 180° – 65° = 115°$ - ½ mark

$\angle D = 115°$ - ½ mark

9. Number of sides = $360°$/Each exterior angle – 1 mark

   $360°/40 = 9$ sides – 1 mark

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10. $50° + z =180°$ (linear pair)

    $z = 180° – 50° = 130°$- 1 mark

    $50 + y = 180$

    $y= 180 – 50 = 130$ - 1mark

    $x =y = 130°$ - 1 mark

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11. KL and MN are 2 lines. ML is the transversal - 1mark

$\angle$M + $\angle$L = 180° - 1 mark

Therefore, MN || KL   - 1 mark

12. For correct figure – 3 marks

13. 2/5 x -3/7 – 3/7 x 3/5 – 1/14

   -3/7(2/5 + 3/5) – 1/14   - 1mark

   -3/7 x 5/5 – 1/14   - 1 mark

   3/7 – 1/14 = -7/14 = -1/2 - 1 mark

14. $\frac{6n-9n+10n}{12}$ = 21   - 1 mark

7n/12 = 21   - ½ mark

7n = 21 x 12   - ½ mark

n = 36   - 1 mark

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15. For writing 8 rational numbers between -2/5 and 1/2   - ½ mark each

16. Let pranay's present age be x years

father's present age is 7x years   – 1mark

After 2 years :

7x + 2 = 5(x+2)   – 2 marks

x=4 - 1 mark

OR

Let the unit digit be x

Tens digit = x+6   - 1/2 mark

Number = 10(x+6) + x = 11x + 60   - 1 mark

11x + 60 = 10(x+x+6)   - 1 mark

x = 0

unit digit = 0   - ½ mark

tens digit = 6   - 1/2 mark

Therefore, number = 60   - ½ mark

17. For the correct figure   – 3marks

steps of construction   – 1 mark