| Term-I | **GREENWOOD PUBLIC SCHOOL** | (2017-18) |
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| | **SECTOR-9, GURUGRAM** | |
| | **Revision Assignment (Half Yearly Exam)** | |

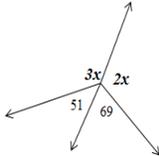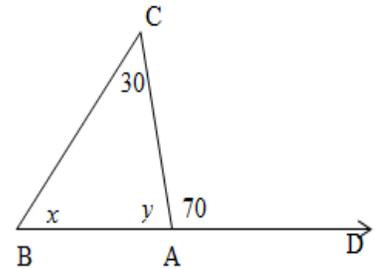**Name :**                                          **Subject :Maths**

**Class: VII**

1. Find the value of $x$ in the figure given below:



2. If $A : B = 2 : 3$, $B : C = 5 : 6$, find $A : C$.

3. The sum of two integers number is $-278$. If one of them is $-156$, find the other.

4. The cost 26 toys is Rs. 1107.60. Find the cost of 145 such toys?

5. Solve and check: $\quad \dfrac{5x-4}{8} - \dfrac{x-3}{5} = \dfrac{x+6}{4}$

6. Represent $\dfrac{-9}{5}$ on number line

7. Find the value of x, y in the given figure:

8. In an objective test, a student is awarded (+5) marks for every correct answer and (- 3) for every incorrect answer and zero for not writing any answer.
   (i) Rohit attempted all questions and scored 45 marks though he got 15 answers correct. Find the number of incorrect answers.
   (ii) Neha attempted all questions and scored 35 marks though she got 10 answers incorrect. Find the number of correct answers.



9. A tree is broken at a height of 5 $m$ from the ground and its top touches the ground at a distance of 12 $m$ from the base of the tree. Find the original height of the tree.

10. Divide the sum of $\dfrac{-13}{5}$ and $\dfrac{4}{15}$ by their difference.

11. The sides of a triangle are $5\frac{1}{2}$ $cm$, $2\frac{3}{4}$ $cm$, $and$ $3\frac{1}{5}$ $cm$. Find its perimeter in metres .

12. In a hospital, the monthly consumption of milk of 60 patients is 1350 litres. How many patients can be accommodated in the hospital if the monthly ration is raised to 1710 litres, assuming that the per quota per head remains the same?

13. In a camp, there is a provision for 960 men to last for 25 days. How many men must be transferred to another camp so that the food lasts for 30 days?

**14.** Find the value of $x$ and the measurement of both the angles in the adjacent figure

**15.** Divide Rs. 4550 among A and B in the ratio 2 : 5

**16.** The product of two integers number is $-1807$. If one of them is 139, find the other.

**17.** The weight of 93 tins of oil is 1450.8 kg. What is the weight of 145 such tins?
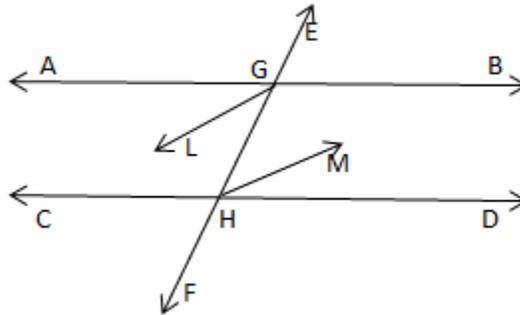
**18.** Solve and check : $\dfrac{2x-3}{5} + \dfrac{x+3}{4} = \dfrac{4x+1}{5}$

**19.** A 15m ladder is placed against a wall to reach a window 12m high. Find the distance of the foot of the ladder from the wall.

**20.** Subtract the sum of $\dfrac{-36}{11}$ and $\dfrac{49}{22}$ from the sum of $\dfrac{33}{8}$ and $\dfrac{-19}{4}$.

**21.** A piece of wire is of $8\dfrac{1}{2}$ m. it is cut into two pieces. The length of one piece is $4\dfrac{3}{4}$ m. what is the length of the other piece?

**22.** In the given figure, **AB ∥ CD** and a transversal **EF** cuts them **G** and **H** respectively. If **GL** and **HM** are the bisectors of the alternate angles ∠**AGH** and ∠**GHD** respectively, prove that **GL ∥ HM.**

**23.** A scooter consumes 28 litres of petrol in covering 2100 km. How much petrol will be needed to cover a distance of 3600 km?

**24.** (i) The product of two numbers is $2\dfrac{2}{9}$. If one of them is $\dfrac{25}{27}$ , find the other.

(ii) The total weight of certain bags of rice is 650.16 kg. If each bag weighs 10.32 kg, find the number of bags.

**25.** (i) Priyanka obtained 372 marks out of 600. Find the percentage of marks obtained by her.

(ii)    The population of the town increases annually by 9%. If its present population is 1230000, what will be its population after 1 year?