## SUGHAR SINGH ACADEMY (SWARN JAYANTI VIHAR) SUMMER VACATION HOLIDAY HOMEWORK (2024-25) CLASS-VII

$\left.\begin{array}{|l|l|}\hline & \begin{array}{l}\text { English Language: } \\ \text { 1. Practice all the exercises and rules discussed in the class of nouns, adjectives, } \\ \text { articles, pronouns, and prepositions. } \\ \text { 2. Write a letter to your sister who has shifted to Mumbai to take up a new job. Ask her } \\ \text { about her job and how she finds life in Mumbai. } \\ \text { 3. Write 20 idioms along with their meanings in your notebook and learn them. } \\ \text { 4. Write a story to bring out the following moral. } \\ \text { "Better late than never."। } \\ \text { Note: English Language homework should be done in Language notebook. } \\ \text { English } \\ \text { English Literature: }\end{array} \\ \text { 1. Read chapters 3 and 5. Find all the answers of the chapters on the basis of your } \\ \text { reading adeptness. } \\ \text { 2. Write the character sketch of the narrator of the story 'The cards.'in literature } \\ \text { notebook. } \\ \text { 3. Read newspaper/ storybook daily and find at least 4 new words out of them and } \\ \text { learn their meanings with the help of dictionary. } \\ \text { 4. Read all the chapters taught in the class, learn all the question answers and practice } \\ \text { book exercises. }\end{array}\right\}$

| Sanskrit | 1. पिता) पुलिंग (लता) स्त्रीलिंग (फल) नपुंसकलिंग (के शब्द रूप तथा नम् व गम् के शब्द रूप कंठस्थ <br> करके लिखिए। <br> 2. 1से 100 तक गिनती कंठस्थ करके लिखिए। <br> 3. रंगों के नाम संस्कृत में लिखो। |
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## Sughar Singh Academy (Swarn Jayanti Vihar) <br> Summer Holiday Homework <br> Class 7 (Subject: Mathematics)

## I) Choose the right answer from the four options:-

1. $13-(12-6+3)=$ ?
a. 11 .
b. 3
c. $7 / 3$.
d. none of these
2. $134 / 1000$
a. 13.4
b. 0.134 .
c. 1.34
d. 0.0134
3. $25: 35:: 45: x$, then the value of $x$ is
a. 63
b. 72
c. 54
d. None of these.
4. With the angle given below, in which case the construction of triangle is possible?
a. $30^{\circ}, 60^{\circ}, 70^{\circ}$
b. $50^{\circ}, 70^{\circ}, 60^{\circ}$
c. $40^{\circ}, 80^{\circ}, 65^{\circ}$
d. $72^{\circ}, 28^{\circ}, 90^{\circ}$
5. A dice is a example of
a. Cuboid
b. Cube
c. Cone
d. cylinder
6. A rectangle is symmetrical about
a. Each one of its side
b. each one of its diagonal
c. A line joining the mid-point of its opposite sides.
d. None of these
7. The diameter of a circle is 7 cm . Its circumference is
a. 44 cm
b. 22 cm
c. 56 cm
d. None of these
8. The area of square lawn of side 15 m is
a. $60 \mathrm{~m}^{2}$
b. $225 \mathrm{~m}^{2}$
c. $45 \mathrm{~m}^{2}$
d. $120 \mathrm{~m}^{2}$
9. A cone has
a. 2 faces
b. 1 edge
c. 1 vertex
d. All of these
10. Each angle of an equilateral triangle measures
a. $30^{\circ}$
b. $60^{\circ}$
c. $80^{\circ}$
d. $45^{\circ}$

## II) Solve the following:

1) Simplify $16+8 \div 4-2 \times 3$
2) Subtract 127.38 from 216.20
3) Divide $₹ 1575$ between Kamal and Madhur in the ratio 7:2.
4) Write an example of cuboid and cylinder.
5) The sides of a triangle are in the ratio $2: 3: 4$, If perimeter of triangle is 810 cm . Find the length of sides.
6) Find the perimeter of a regular pentagon of side 8 cm .
7) Define the term:-
a. Data
b. Observations
8) Define the following with figure.
a. Equilateral triangle
b. Scalene triangle
9) Simplify:- $5 \frac{1}{7}-\left\{3 \frac{3}{10} \div\left(2 \frac{4}{5}-\frac{7}{10}\right)\right\}$
10) Simplify:- $\quad 37.6+72.85-58.678-6.09$
11) In a proportion the $1^{\text {st }}, 2^{\text {nd }}$ and $4^{\text {th }}$ term are 51,68 and 108 respectively. Find the $3^{\text {rd }}$ term.
12) The measures of two angles of a triangle are 72 degree and 58 degree. find the measurement of the third angle.
13) Draw a circle with Centre $C$ and radius 4.5 cm .Mark point $P, Q, R$ such that $P$ lies in the interior of the circle, $Q$ lies on the circle and R lies in the exterior of the circle.
14) Draw an angle of 60 degree using a pair of compasses, bisect it to make an angle of 30 degree.
15) A water tap fills water at the rate of 25 litre per minute to a water tank. Another water tap can fill water in the same tank at the rate of 15 litre per minute. If both the water taps are opened, then the water tank filled in 15 minutes. Find the volume of the water tank.
16) A submarine is at 350 m below the sea level. It ascends for 10 seconds and then stops. Its final position is at 100 m below the sea level. Find the speed of the submarine.
17) A building of 50 floors. Every floor of the building is 5 m in high. If its elevator moves 3 m per second, then how long will it take to move from second floor to 42 floor?
18) Rahul throws a ball in air. The ball goes up to the height of 21 m and settles at the bottom of a pond, 12 m deep. Find the total distance covered by the ball.
19) What will be the sign of the product, if 18 positive integers and 23 negative integers are multiplied together?
