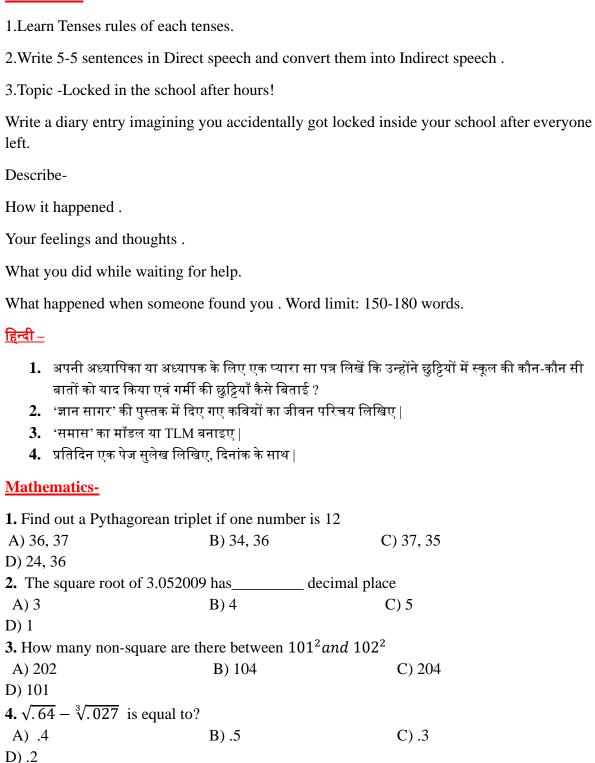
# DAV NCL PUBLIC SCHOOL, GORBI

## **HOLIDAY HOMEWORK**

## **CLASS-VIII**

## **ENGLISH-**

5.  $\sqrt[3]{25\sqrt[3]{125\sqrt[3]{1}}}$  is equal to?



A) 5	B) 1	C) 25	
D) 125			
<b>6</b> . Find the cube roo	ot of -2744		
A) -12	B) -13	C) -14	
D) -16			
7. The value of $\sqrt{45}$	$5 \times \sqrt{20}$ is?		
A) 18	B) 30	C) 20	
60			
8. The value of $\frac{3}{\sqrt{.09}}$	is		
A) $\frac{1}{10}$	B) $\frac{3}{10}$	C) 1	

D)

D)

10
9. The value of  $\sqrt[3]{58 + \sqrt[3]{211 + \sqrt[3]{125}}}$  is:

10. ASSERTION (A): 
$$\sqrt[3]{\frac{27}{216}} = \frac{1}{2}$$

REASON (R)  $a^m \div a^n = a^{m-n}$ , where a be any non zero rational number and m and n be integers

- a) Both A and R are true and R is the correct explanation of A
- b) Both A and R are true but R is not the correct explanation of A
- c) A is true but R is false
- d) A is false but R is true

## 11. Assertion (A) -If 252 = 625, then the square root of 625 is 125

Reasons (R) –The square root is the number that we need to multiply by itself to get the original number.

- 12. Assertion (A):  $(-2)^{-2}$  is equal to 1/4 Reasons
- (R) –The power of a number says how many times to use the number in a multiplication.
- 13. Assertion (A):  $am \times an$  is equal to  $a^{m+n}$

Reasons (R): product of powers property.

Short/Long question:

**14**. if 
$$\sqrt{2} = 1.414$$
,  $\sqrt{5} = 2.236$  and  $\sqrt{3} = 1.732$ , Find the value of:  $\sqrt{216} + \sqrt[3]{216} - \sqrt{75}$ 

- **15.** Find the square root of: .0374544
- **16.** Find the square root of: 6.8369
- **17.** Find the smallest number of six digit which is perfect square. Find square root of this number?
- **18**. Find the smallest number by which 3645 must be divided so that it becomes a perfect square. Also, find the square root of the resulting number?
- **19.** by what smallest number must 180 be multiplied so that it becomes a perfect square? Also, find the square root of the number so obtained?
- **20.** What is the smallest number by which 1715 should be divided so that the quotient is a perfect cube?

21. Which smallest number must be 3600 be multiplied to make it a perfect cube?

22. Find the cube root of 4741632 by estimation.

**23**. Evaluate: 
$$\sqrt[3]{\frac{.027}{.008}} \div \sqrt{\frac{.09}{.04}} - 1$$

**24.** Find the value of the following cube roots  $\sqrt[3]{27 \times 2744}$ 

25. Find the cube root of the following number through estimation: 110592, 3375, -2744000

#### PROJECT/TLM/MODEL

Maths TLM model on shapes and volumes | Paper model

OR

laws of exponents maths working model - maths tlm project model

OR

Algebaric expression and working model

OR

Maths Working Model on Square & Cube Numbers

OR

TYPES OF POLYNOMIALS

# Science-

1. Find out the names of places in India where mines of gold, copper and iron are located.

2. Make a list of five articles used at home and school, which are made up of alloys. Write their composition also.

3. Learn chapter 1 and 3.

## **Social Science-**

1. Learn and write questions and answers of Chapter 1 - Resources - Utilisation and Development.

Chapter 8 - The Modern Period.

2. Prepare a pictorial chart showing the classification of resources given at least a suitable example.

संस्कृत- 1.आर्यभट्ट का जीवन परिचय संस्कृत भाषा में लिखिए।

2. भारतीय संस्कृति में संस्कृत भाषा का महत्व लिखिए।

3. प्रथम पाठ द्वितीय पाठ के सभी प्रश्न उत्तर याद करें।

#### General Knowledge-

On a chart paper draw or paste and write down top ten Industrial states in India.