

WINTER BREAK - 2024-25 (Holiday Home work)

P.M. SHRI KV No.1 AFS, Gorakhpur

Class - VIII

Sub - Mathematics

1. Write the formulas of surface area of cube, cuboid and cylinder and also volume of cube, cuboid and cylinder.
2. Water is pouring into a cuboidal reservoir at the rate of 60 liters per minute. If the volume of reservoir is  $108 \text{ m}^3$ , find the number of hours it will take to fill the reservoir.
3. Solve the exercise 10.1 of the chapter Exponents and powers.
4. Give two two examples of Direct proportion and Inverse proportions.
5. Factorise the following expression.  
(i)  $p^2 + 6p + 8$     (ii)  $q^2 - 10q + 21$     (iii)  $p^2 + 6p - 16$   
(iv)  $m^2 + 7m + 10$     (v)  $x^2 - 14x - 32$     (vi)  $x^2 + 6x - 16$
6. Solve the questions 8, 9, 10 and 11 of exercise 9.1 of mensuration chapters.
7. Solve question no. 2, 3, 4, 5 and 6 of exercise 11.2 of Direct and Inverse proportions.
8. Draw on the chart paper  
Cube, cuboid, cylinder, cone and sphere.

Kalindi  
Kalindi Keshwaha

Hans  
Darshan Hans

D.P. Yadav