



INDIAN SCHOOL NIZWA - WORKSHEET

Ch. 2 NUMERICAL APPLICATION

Name:

Class : XI Sec: B

1.	The average of four consecutive even numbers is 27. Which is the largest of these numbers?
2.	The average age of 15 students of a class is 15 years. Out of these the average age of 5 students is 14 years and that of other 9 students is 16 years. Find the age of the 15 th student.
3.	At what time between 5:30 and 6, will the hands of a clock be at right angle?
4.	London time is five and a half hours behind Delhi time. What time is it in London if it is 2:35 a.m. in Delhi?
5.	What was the day of the week on 2nd October 1869 (birthday of Mahatma Gandhi)?
6.	It was Friday on January 1, 2016. What was the day of the week on January 1, 2020?
7.	On what dates of April, 2001 did Wednesday fall?
8.	A can do a piece of work in 12 days and B can do the same work in 16 days. A started the work alone. After how many days should B join him, so that the work is finished in 9 days?
9.	If a man walks at a speed of 14 km/hr instead of 10 km/hr, he would have walked 20 km more. Find the actual distance travelled by the man.
10.	By walking at $\frac{3}{4}$ of his usual speed, a man reaches his office 10 minutes late than his usual time. Find the usual time taken by him to reach his office.
11.	Time taken by A to finish a piece of work is twice the time taken by B and thrice the time taken by C. If all three of them work together, it takes them 2 days to complete the entire work. How much work was done by B alone?
12.	A horse is tethered to a corner of a field which is of the shape of an equilateral triangle. If the length of the rope by which it is tied by is 7m, find the area of the field over which it can graze.
13.	The surface area of a right circular cylinder is 38500 sq. cm. If the height of the cylinder is twice its diameter, find the dimensions of the cylinder.
14.	A metal pipe is 77 cm long. The inner diameter of a cross section is 4 cm, the outer diameter being 4.4 cm. Find its i) inner curved surface area , ii) outer curved surface area iii) total surface area.