

ICSE Class 7 Maths Important Questions

1. If the marks of Sachin, Kohli and Dhoni are in ratio of 4: 5: 6, and Ajay got 75 marks, then find the marks of Sachin and Dhoni?
2. A train 270 m long is running at 40.5 km/hr. How much time will it take to cross the tree?
3. The given data shows the marks obtained by 20 students of a class in a Math test.
31, 9, 8, 20, 8, 7, 30, 31, 24, 20, 13, 13, 28, 26, 19, 27, 13, 12, 25, 21
Represent the data in a frequency distribution table and find the mean.
4. Ankit's monthly expenditure is Rs. 15000. He spends 25% on house rent, 40% on food and groceries, 5% each on travelling and entertainment and the rest on education. Calculate the amount he spends on each.
5. The population of a town increases by 6% annually. If the present population is 17490, what was it a year ago?
6. Write the following sets in the roster method.
 - i. M is a set of first 5 multiples of 3.
 - ii. V is a set of the vowels in 'DISJOINT'.
7. Solve:
 - i. $(-48) \times 24 \times (-10) + 100$
 - ii. $(-56) + 27 - 45 - 17 + 19$
8. What is the square root of i) 1.44 and ii) 289
9. Solve the in equation: $-14 - 5x \geq 3x + 2$, $x \in$ integers
10. The ratio of the ages of two brothers is 3: 2. If the elder brother's age is 21 years, how old is the younger brother? Find the ratio of their ages after 7 years.
11. Draw a Venn-Diagram to represent $A = \{2, 4, 6, 8, 10\}$ and $B = \{4, 8, 12, 16, 20\}$. Find $A \cup B$ and $A \cap B$.
12. Convert as instructed:
 - i. 36 km/hr to m/sec
 - ii. 75 cm/sec to m/ sec
13. By selling a dress for Rs. 729, a shopkeeper experienced a loss of 10%. Find the cost price of the dress?

14. Simplify:

$$\frac{\frac{1}{3}\left(\frac{1}{2} + \frac{1}{5}\right)}{\frac{1}{5}\left(\frac{1}{2} + \frac{1}{3}\right)}$$

15. Factorise: $49(2x + y)^2 - 64(x - 3y)^2$

16. In a poultry farm, 300 eggs are produced every day. If 100 birds produce an average of 75 eggs each day, how many birds are there in the poultry farm? Also find how many more birds should be bought if 375 eggs are needed every day.

17. The H.C.F. of two numbers is 18 and their L.C.M. is 108. One of the numbers is 54. Find the other number.

18. Multiply: 53×67

19. Each interior angle of a polygon is 140° . Find the number of sides.

20. Aryan has a rectangular garden whose length is double its width. The area of the garden is 450 square cm. What is the length of the garden?