

D. Find LCM of the following by division Method

1. 20, 25, 30, 50
2. 8, 12, 20, 30, 80
3. 9, 12, 18, 24, 27

E. Answer the following Questions.

1. Mr. Shekhar saves Rs. 250 per month. How much money will he save in 3 years?
2. 75 chairs and 80 tables were purchased for a school. If a chair costs Rs. 750 and a table costs Rs. 850 . Find the total amount spent.
3. Using division method Write the prime factorization of
 - a) 126
 - b) 200
 - c) 225
 - d) 9999
4. The product of two numbers is 4,35,375. If one number is 225, Find the other number.
5. A student multiplied 7236 by 65 instead of multiplying by 56. How much was his answer greater than the correct answer?
6. Find the least number which when divided by 6, 15 and 18 leaves remainder 5 in each case.
7. Convert the following as mentioned in the bracket
 - a) 5m (in cm)
 - b) 3750 gm (in Kg)
 - c) 250 paise (in Rs)
 - d) 15 cm (in m)
 - e) 25mm (in cm)
8. The weight of a medicine is 25 mg. Find the weight of a box containing 20000 such medicine in grams? Find the weight of box in kg also.
9. The Mathematics book of class VI contains 492 pages and the Science book contains 368 pages. Estimate the difference in the number of pages of two books to the nearest ten.
10. Akash sold 144 refrigerators at Rs. 9725 each. From the money he bought 150 T.v. sets. Find the cost of each T. V. set.



ODM PUBLIC SCHOOL, BHUBANESWAR

HOLIDAY HOMEWORK (2019-20)

CLASS-VII

SUBJECT-MATHS

Multiple choice questions

- The sum of 2 integers is zero, If one of them is -5, then other is
(a)2 (b)-5 (c)5 (d)0
- Successor of -199 is
(a)-198 (b)0 (c)-200 (d)200
- Predecessor of 0 is
(a)0 (b)-1 (c)-1 (d)-2
- If, $a \times -1 = 22$ then a is
(a)-22 (b)22 (c) 1 (d)-1
- $(-12) \times \{5 + (-5)\}$
(a)-12 (b)12 (c)0 (d)-1
- 0.1×0.1 represents
(a)1/10 (b) 1/100 (c) 1 (d) 1/1000
- 2.30 and 2.03 are
(a) Like decimals (b) unlike decimals (c) equal (d) none of these
- 17 Rs 7 paisa expressed in decimal is
(a)Rs17.70 (b) Rs 17.07 (c) Rs 7.17 (d)Rs 17.7
- Perimeter of a square of side 4.5 cm is
(a)14.5cm (b) 18 cm (c)20 cm (d)45 cm
- $25.05 \div 5 = ?$
(a) 5.1 (b)0.51 (c)5.01 (d)0.501
- $\frac{2}{5}$ of the students of class of 50 students like mangoes whereas $\frac{1}{5}$ of them like apples and rest like banana. Find the fraction of the total number of students like bananas.
- In a class of 50 students, $\frac{3}{5}$ are girls. Each girl brings a ribbon of length of $\frac{11}{4}$ m and each boy brings $\frac{13}{4}$ m. What is the total length of ribbon collected by 50 students .
- A square and an equilateral triangle have a side in common. If side of the triangle is $\frac{4}{3}$ cm long. Find the perimeter of figure formed.
- Evaluate
(a) $4.2 \div (1.5 - 0.9)$
(b) $25.6 \div (3.2 - 2.4)$
- If $\frac{5}{7}$ of a number is 300, and then finds the number.

16. What will be the sign of product if we multiply together 37 negative integers and 38 positive integers?
17. In a class test containing ten questions, 5 marks are awarded for every correct answer and (-2) are awarded for every incorrect answer and 0 for the questions not attempted. Ram gets two correct and five incorrect out of seven questions he attempts. What is his score?
18. Taking today as zero on the number line, if the day before yesterday is 17 January, What is the date three days after tomorrow?
19. A rock climber started at +500 m and came a distance of 150 m down the rock-face. How far above the sea level was he then?
20. Solve: $\frac{14}{5} + \frac{9}{2} + \frac{16}{5}$
21. Each side of a polygon is 2.9 cm in length and its perimeter is 17.4 cm. How many sides does the polygon have?
22. The total weight of some bags of cement is 1743 kg. If each bag weighs 49.8 kg, how many bags are there?
23. How many pieces of plywood, each 0.35 cm thick, are required to make a pile 1.89 m high?
24. Monica cuts 46 m of cloth into pieces of 1.15 m each. How many pieces does she get?
25. A rectangular sheet of paper is $\frac{63}{4}$ cm long and $\frac{25}{2}$ cm wide. Find its perimeter.
26. Add the product of (-16) and (-9) to the quotient of (-132) by 6.
27. A book consists of 216 pages. During last week Raju read $\frac{3}{4}$ of the book. How many pages did he read?
28. Each side of a square field is $\frac{14}{3}$ m. Find its perimeter and area.
29. Nine boards are stacked on the top of each other. The thickness of each board is $\frac{11}{3}$ cm. How high is the stack?
30. A group of students arranged a picnic. Each student contributed Rs $\frac{523}{2}$. The total contribution was Rs $\frac{5753}{2}$. How many students are there in the group.



ODM PUBLIC SCHOOL, BHUBANESWAR

HOLIDAY HOMEWORK (2019-20)

CLASS-VIII

SUBJECT-MATHS

Squares and Squares Roots

- 1) If $\sqrt{3 + \sqrt{a}} = 4$, then a is _____.
- 2) The value of y for which $sy^2 - t = 0$, is _____
- 3) If $\frac{\sqrt{49}}{64} = \frac{a}{512}$, find a .
- 4) The value of $\sqrt{(-1)} \times \sqrt{(-1)}$ is _____
- 5) The value of $\sqrt{\frac{1}{16} + \frac{1}{9}}$ is _____
- 6) Find the square root of 8336, using long division method.
- 7) Find the smallest number by which 2925 must be divided so that the quotient is perfect square.
- 8) If $\sqrt{2401} = \sqrt{7^x}$, find x
- 9) Find the least numbers which is a perfect square and which is also divisible by 16, 18 and 45
- 10) Find the greatest number of 4 digits, which is a perfect square.
- 11) Find the least number of 4 digits, which is a perfect square.
- 12) Find the least number which must be subtracted from 2361 to make it a perfect square.
- 13) Find the least number which must be added to 4931 to make it a perfect square.
- 14) A general wishing to draw up his 64019 men in the form of a solid square, found that he had 10 men over. Find the number of men in the front row.
- 15) Find the value of $\frac{\sqrt{0.3364} + \sqrt{0.1936}}{\sqrt{0.3364} - \sqrt{0.1936}}$

Rational Number

- 1) Verify that $|P| = |-P|$ where $P = \frac{-3}{10}$
- 2) If $\frac{m}{n} = \frac{4}{3}$ and $\frac{r}{t} = \frac{19}{14}$, find the value of $\frac{3mr-nt}{4nt-7mr}$
- 3) Find : $1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{3}}}$
- 4) The area of 11gm is $12 \frac{1}{4} \text{ cm}^2$. If its height is $1 \frac{6}{7} \text{ cm}$, find its base.
- 5) Find three rational numbers between -3 and -2.
- 6) The sum of two rational numbers is -2. If one of the number is $\frac{-14}{5}$, find the other.
- 7) Is $\frac{8}{9}$ the multiplicative inverse of $-\frac{1}{8}$? why or why not?
- 8) A drum of wheat weight $80 \frac{1}{6} \text{ kg}$. If the empty drum weighs $15 \frac{2}{4} \text{ kg}$, find the weight of wheat in the drum.
- 9) In a school $\frac{3}{7}$ of the students are girls. If there are 240 boys, find the number of girls in the school.
- 10) If $\frac{3}{5}$ of a number exceeds it $\frac{2}{7}$ by 44, find the number.
- 11) From a ribbon which is 22 m long, two pieces of length $5 \frac{1}{5} \text{ m}$ and $3 \frac{2}{10} \text{ m}$ are cut off. What is the length of the remaining ribbon?
- 12) A jet covers 2040 km in an hour. How much distance will it cover in $5 \frac{1}{6}$ hours?
- 13) Find the cost $4 \frac{2}{5} \text{ m}$ of lace at the rate of ₹ $15 \frac{3}{4}$ per meter.
- 14) If $\frac{1}{x} - \frac{1}{y} = \frac{1}{z}$, find z
- 15) If the product of two numbers is $\frac{-5}{8}$ and one of them is $\frac{-3}{4}$. Find the other.