

Class 5 - Ganit Pradnya – Year 2022 Test Paper

Q. 1 (A) four consecutive prime numbers are such that the product of first three consecutive prime numbers is 105 and the product of last three prime numbers is 385. Then find the number which is the cube of difference between greatest and smallest prime number out of them.

(B) Draw an equilateral triangle of side 5.5 cm. Draw a triangle of $30^\circ - 60^\circ - 90^\circ$ in it. Explain?

Q. 2 (A) A boy was asked to multiply a number by 34 but he multiplied by 43 instead of 34 and got an answer 324 more than correct answer. Find the number and product of that number with 34.

(B) For flooring two halls of square base, 2500 square tiles of side 50 cm are used. If area of one hall is 225 m^2 . Then find the length of the side of another hall.

Q. 3 (A) $\frac{11}{24}, \frac{43}{60}, \frac{14}{30}, \frac{41}{30}, \frac{41}{90}$ write these numbers in descending order.

| | | | |
|----|----|----|----|
| w | 5 | x | 11 |
| 4 | 12 | | |
| v | 10 | 60 | y |
| | | z | 15 |
| 28 | u | 20 | 17 |

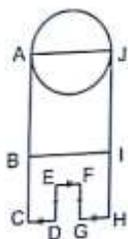
(B) Observing the given example find the values of x, y, z, u, v, and w.

Q. 4 (A) Which smallest number should be subtracted from 1740 to make it completely divisible by 88?

(B) Simplify:

$$\left(82\frac{5}{7} - 37\frac{11}{21} + \frac{34}{14}\right) \div \frac{23.42 + 9.23 + 17.35}{48 - (4.5 \times 6)}$$

Q. 5 (A) When we reverse the digit of a number 13. The number increases by 18. How many other two digit numbers increase by 18 when their digits are reversed.



(B) In the figure ABIJ and BCHI are rectangles if

$$AJ = 14 \text{ cm}, AB = 12 \text{ cm}, BC = \frac{2}{3} AB \text{ and } ED = FG = \frac{1}{2} BC,$$

then find the perimeter of the given figure.

Q. 6 (A) What is the sum of all two digit numbers which give a remainder 3, when they are divided by 7?

(B) Find the value of x

$$(2.06 + 4.6 - 4.41) 12 + 0.75x - (5.25 \div 0.7) 4 = \frac{3}{4}$$

Q. 7 (A) The sum of two numbers is 253 and their L.C. M is 644, then find the numbers.

(B) A nine digit number contains all the digits except 5 the sum of the first four digits equals to the sum of the last four digits and is an integral multiple of the middle digit. What is the middle digit write any four such numbers.

Q. 8 (A) the number of times 3 is used while writing the numbers in a book having 340 pages.

(B) the sum of three consecutive even numbers is 1728. Find the number which is the square of middle number.

Q. 9 (A) There are thirteen numbers such that each number is greater than its preceding number by 4. The sum of these numbers is 455. Then find the middle number in the series.

(B) In a school $\frac{1}{3}$ students of total students comes by

walking $\frac{1}{3}$ students of walking comes on motor cycle and

number of students come by bus are twice the students, who comes on motor cycle and remaining 240 students come on bicycle then find the total number of student in that school.

Q. 10 (A) Write next two numbers in the series of the numbers 5, 8, 14, 23,

(B) In a division sum quotient obtained is 43 and remainder is 37. One student multiplied a divisor and quotient and added remainder in it and answered dividend as 37232, but in the divisor he took 6 instead of 9 so that his answer was wrong. Find the true divisor and dividend in that sum.

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