PANCHSHEEL PUBLIC SCHOOL

10+2 Senior Secondary School (Affiliated & Recognized by CBSE)

Jaitpur, Badarpur, New Delhi-44

Sample Paper Examination-2022-23

Time: 2:30 hours   **Subject: Mathematics**   **Class: 6**   **M. Marks:50**

Name…………………   **Roll No………..……**   **Section …….**   **Date:**

Q1 Fill Ups.   **(1×10=10)**

i) The successor of - 56 is_____.

ii) An angle measuring less than 90 degree is called _____ angle.

iii) A triangle with unequal sides is called _____ triangle.

iv) 57 paise=_____rupees.

v) An equation is an equality between two algebraic _____.

vi) A ratio is expressed in its_____form.

vii) Perimeter is the length of the _____ of closed figure.

viii) The standard unit of measurement of an angle is _____.

ix) perimeter of rectangle is_____.

x) Additive inverse of -8 is_____.

Q2 True / False   **(1×5=5)**

i) One is the smallest positive integer.

ii) A line has two end points.

iii) Trinomial expression contains three terms.

iv) A proportion is the equality of two ratios.

v) Each side of a figure should be in the same unit for calculating perimeter.

Q3 Tick the correct option.   **(1×5=5)**
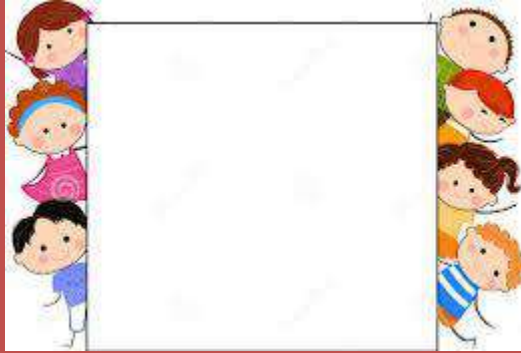
i) If length and breadth of rectangle are 2cm to 5cm.then it's area is_____

a) 10cm²   b) 10cm   c) 100cm²

ii) Ratio of 70 litres ml to 40 litres is

a) 7:4   b)4:7   c) 11:5

iii) The number of right angles in a complete angle is_____.

a)4   b)3   c)1

iv) A number having fixed value is called_____.

a)Constant   b)Variable   c) Algebra

v) The decimals having the same numbers of decimal places are called _____decimals.

a) Like   b) Unlike   c)Decimal points

4 Solve the following.   (5×2=10)

i)Simplify:- $(-15 \times 12) \div (-6)$

ii) One side of square is 50 cm.Find its perimeter.
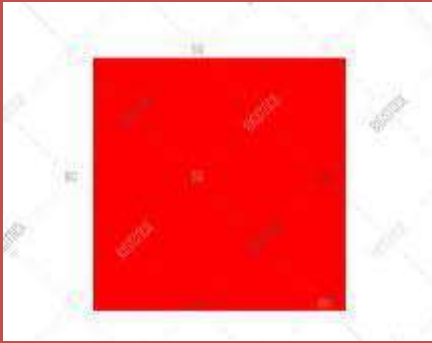
iii) How many degrees are there in three right angles?

iv) Write 15:45 in simplest form.

v) Ravi bought some medicines for Rupees 495.75 and gave the chemist Rs 1000 note .What amount did the chemist return?

Q5 Solve the following.   (4×3=12)

     i)   Find the perimeter of square whose area is 225 cm

ii) The length of a room is 13 m and its breadth is 7.8 m .Find the ratio of its length to its breadth.

iii) Write algebraic expressions for the following
   a) The sum of p is added to q.
   b) The product of X and Y is added to 6 times a.
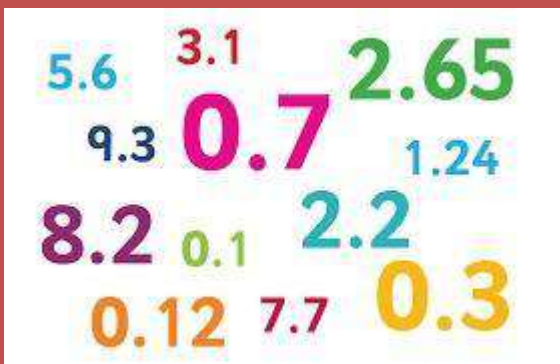   **c) Five time x is taken away from 10.**
iv) 25 – {4÷(-2)} – 12 – 5(6+2-8)
Q6 Solve the following.   **(4×2=8)**
i) (a)Write the following in decimal form
5 ones + 6tens+ 4 hundredths + 2thousandths

(b)Convert 4.25 in fraction .

(c) Rashid spent rupees 35.75 on Maths book and rupees 32.60 on Science book. Find the total amount spent

by Rashid.

ii) The length and breadth of a rectangle are in the ratio 2:1 If its breadth is 200 m. Find its perimeter.