

DELHI PUBLIC SCHOOL, JAMMU
REVISION SHEET FOR CYCLE TEST-I
SESSION(2018-2019)

Class -VI

Subject – Maths

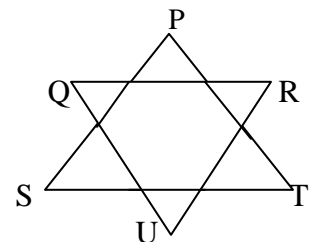
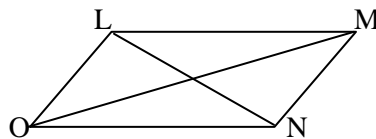
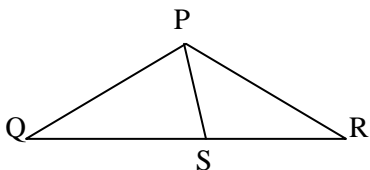
Topics: Knowing Our Numbers, Whole Numbers, Playing with Numbers, Basic Geometrical Ideas and Understanding Elementary Shapes.

SECTION-A

- Q1: The sum of the largest 4-digit number and the smallest 3-digit number is
a) 10009 b) 10909 c) 10099 d) 10009
- Q2: Write XLVII in Hindu-Arabic numerals.
a) 47 b) 67 c) 74 d) none of these
- Q3: The whole number p such that $p + 2 = 8$, the value of p will be
a) 10 b) 4 c) 6 d) 12
- Q4: Which of the following is a perfect number?
a) 12 b) 8 c) 5 d) 6
- Q5: What is the H.C.F. of two consecutive numbers?
a) 1 b) 0 c) 2 d) 3
- Q6: What is the L.C.M. of 7 and 9?
a) 3 b) 9 c) 63 d) 16

SECTION-B

- Q7: List all prime numbers less than 100 and ending with 3.
- Q8: Where will the hour hand of a clock stop if it starts from 7 and turns through 2 right angles?
- Q9: Find the difference between place value of two 6's in 6523689.
- Q10: Find the product of the largest three digit number with smallest four digit number.
- Q11: Simplify by suitable rearrangement.
(a) $2962 + 567 + 1538 + 633$
(b) $4 + 5 + 6 + 7 + 996 + 995 + 994 + 99$
(c) $128 \times 40 \times 8 \times 25$
(d) $8 \times 25 \times 125 \times 40$
(e) $50 \times 8 \times 20 \times 725$
- Q12: Write the smallest four digit number and give its prime factorisation.
- Q13: Express each of the following numbers as the sum of three odd primes:
a) 15 b) 35 c) 61
- Q14: Make factor tree as large as possible for 80, 72 and 108.
- Q15: Count the number of line segments in each of the following figures and name them:



- Q16: Illustrate, if possible, each one of the following with rough diagrams:
a) A closed curve that is not a polygon
b) An open curve made up of entirely line segments.
- Q17: Draw a rough sketch of quadrilateral KLMN and state
a) Two pairs of opposite sides. b) Pairs of adjacent angles.

SECTION-C

- Q18. Is it possible to draw following triangles? Give reasons:
- a triangle with two obtuse angles.
 - an equilateral triangle with each angle 70° .
 - a triangle with each angle less than 60° .
- Q19: A merchant had ₹ 9,07,640 with him. He placed an order for purchasing 48 refrigerator at ₹ 16,000 each. How much money will remain with him after the purchase?
- Q20. a) Find the angle measure between the hands of the clock at 5 o'clock.
b) What fraction of a revolution have you turned through if you stand facing west and turn clockwise to face south?
- Q21: Estimate the following by rounding off each number to its greatest place:
a) 392×138 b) $521 - 199$ c) $3333 + 5298$
- Q22: Find the value of each using distributive property:
a) $(894 \times 38) + (894 \times 62)$
b) $2398 \times 144 - 2398 \times 44$
c) 350×998
d) 3847×1007
- Q23: Divide 64296 by 521 and check the result by division algorithm.
- Q24: On dividing 36410 by 145, the remainder is 15. Find the quotient.
- Q25: Find the
i) H.C.F. of a) 180, 192 by prime factorization method b) 546, 728, 1092 by long division method
ii) L.C.M. of a) 28, 44 by prime factorization method b) 384, 144, 18 by common division method
- Q26: Find the smallest 5-digit number which is exactly divisible by 15, 20 and 25.
- Q27: Find the greatest number which divides 245 and 1029, leaving a remainder 5 in each case.

SECTION-D

- Q28: Determine the longest tape which can be used to measure exactly the lengths 658cm, 940cm and 1128cm.
- Q29: Four bells ring at an interval of 4, 7, 12 and 14 seconds, respectively. If the four bells begin to ring at 12 O'clock. When will they next ring together?
- Q30: Test the divisibility of the following:
a) 828184 is divisible by 4 and 8
b) 735108 is divisible by 6
- Q31: The population of a town is 80,000. The number of men is 42457 and that of women is 23296. Determine the population of children.
- Q32: Represent 4×4 , $7 - 2$, $5 + 3$, on a number line.
- Q33: A student multiplied 7635 by 56 instead of 65. By how much was his answer greater than the correct answer?
- Q34: Mohit travels 8 km 425 m towards north, 13 km 210 m towards west. Calculate the distance travelled by him.
- Q35: Find the product of the largest 3-digit number with the sum of 2456 and 344.
- Q36: There are 136 apples, 170 mangoes and 255 oranges. These are to be arranged in heaps containing the same number of fruits. Find the greatest number of fruits possible in each heap. How many heaps are formed?
- Q38: The product of two whole numbers is 36. If one of the number is 4, find the other number.
- Q39: The sum of two whole numbers is 258. Find the other number if one of the number is 107.
- Q40. Name the types of the following triangles.
a) $\triangle DEF$ such that $DE = EF = FD = 6\text{cm}$.
b) $\triangle PQR$ with $m\angle Q = 90^\circ$ and $PQ = QR$.
c) $\triangle ABC$ with $m\angle A = 110^\circ$, $m\angle B = 30^\circ$ and $m\angle C = 40^\circ$.