

Dwarka International School
Subject- Maths
Class-VI, Section _____
Sample Paper

Name: _____
Roll No. _____

Time duration: 3 hours
Date: _____

General Instructions:-

M.M- 80

- i) All questions are compulsory.
- ii) The Question Paper consists of 40 questions divided into 4 Sections-A, B, C & D.
- iii) Section A contains 20 questions in which each part carries 1 mark, section-B contains 6 questions of 2 marks each, Section C contains 8 questions of 3 marks each and Section D contains 6 questions of 4 marks each.

Section-A

(1x20 = 20)

Q1. Which of the following represent $-7 \times y$

- a) $7y$ b) $-7y$ c) $-7 + y$ d) $\frac{-7}{y}$

Q2. The perimeter of a square of side 4 cm is

- a) 24 cm b) 20 cm c) 16 cm d) 12 cm

Q3. If 10 balls cost ₹ 120, then the cost of each ball is

- a) 10 b) ₹12 c) ₹15 d) ₹20

Q4. The length of each line segment on drawing a perpendicular bisector for PQ = 7.6 cm

- a) 3.8 cm b) 15.2 cm c) 7.6 cm d) 3.3 cm

Q5. $100 + 20 + 3 + \frac{1}{100} + \frac{4}{1000}$

- a) 123.14 b) 123.104 c) 123.014 d) 12.314

Q6. Every rectangle is a parallelogram (T/ F)

Q7. The additive inverse of -3 is _____

Q8. The polygon bounded by line segments is called a _____

Q9. Which is greater?

-6 _____ -12

Q10. The place value of 6 in 15.367 is _____

Q11. In a _____ data is represented using picture or symbols

Q12. The present age of a child is y years. After 10 years, his age will be _____

Q13. When four quantities are in proportion, the product of the _____ is equal to the product of the means.

Q14. The area of rectangle of length 5 cm and breadth 3 cm is _____

Q15. The first term of ratio is called _____

Q16. The angle which is more than 0° but less than 90° is called _____

Q17. Which is greater?

2.9302 _____ 2.9313

Q18. A triangle in which all the sides are of equal lengths _____

Q19. The amount of region enclosed by a plane figure is called _____

Q20. A triangle having one of its angle as right angle is known as a _____ triangle.

Section - B

(2x 6 = 12)

Q21. Give expressions

a) 7 times m to which 19 is subtracted

b) Y is multiplied by – 6 and the result is added to 12

Q22. Convert the decimal 1.75 into fractions in lowest term

Q23. How many right angles do you make if you start facing?

a) North and turn clockwise towards west

b) South and turn clockwise towards west

Q24. Subtract

67 from – 12

OR

(- 139) + (- 446)

Q25. Find the length of a rectangular park whose area is 250 m^2 and breadth is 50 m.

Q26. With the same center O, draw two circles of radii 2 cm and 4 cm.

Section-C

(3x 8= 24)

Q27 Draw a line segment of length 4.2cm and construct its perpendicular bisector.

Q28. Evaluate

$2a + 4b - c$ (where $a = 3$, $b = 2$, $c = 4$)

Q29. a) Add

$146.203 + 13.492 + 31.085$

b) Subtract

$435.16 - 131.152$

Q30. Find the cost of leveling a ground at the rate of ₹ 25 per sq. m if it is 35m long and 30 m wide ?

Q31. Evaluate

$- 24 + 14 - 17 + (- 67)$

Q32. a) Find the value of x

$20 : 5 = 28 : x$

b) Compare the ratio

3: 7 and 9: 21

Q33. Where will be the hand of a clock stops if it starts at

a) 2 and makes one half of a revolution clockwise

b) 6 and makes one quarter of a revolution clockwise

c) 6 and makes three quarters of a revolution clockwise

Q34. The population of a particular state in different years is given below.

Year	2005	2006	2007	2008	2009
Population in Lakhs	35	40	50	65	90

Represent the above data using the bar graph.

Section-D

(4x 6 = 24)

Q35. With a ruler and compass construct the angle of 90° and its angle bisector.

Q36. Mr. Vikrant gets ₹ 24,000 per month. He spends ₹ 20,000 and saves the rest.

Find the following ratio in the simplest form.

- a) His income to expenditure
- b) His expenditure to savings
- c) His savings to income
- d) His earning to savings

Q37. The height of a rectangular box is h cm. Its length is 4 times the height and breadth is 6 cm less than its length. Express the length and breadth of the box in terms of its height.

Q38. How many tiles whose length and breadth are 12 cm and 5 cm respectively will be needed to fit in a rectangular region whose length and breadth are 120 cm and 72 cm.

Q39. a) In a supermarket, the weights of rice, wheat and maida bags are respectively 254.62 Kg , 149.07 Kg and 86.203 Kg. How much do they weigh altogether ?

b) Express the fraction $\frac{47}{50}$ as decimal.

Q40 a) Absolute value for $| - 7 |$

b) In which direction should one move to reach $- 65$ from $- 82$

c) Fill in the blank with $<$, $>$, or $=$ sign

$$45 - (- 11) \quad \underline{\hspace{2cm}} \quad 57 + (- 4)$$

d) Write all the integers between -2 to 3