



INDIAN SCHOOL DARSAIT
HALF YEARLY (SAMPLE PAPER 2)-2017
MATHEMATICS (041)



Class: VI
Date:

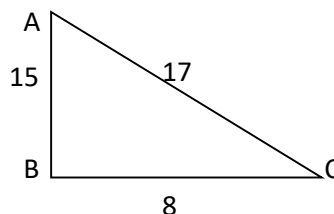
Max.Marks: 80
Time: 3 hrs

General Instruction:

- (i) All questions are compulsory
- (ii) Calculations should be shown in a working column on the right hand side.
- (iii) Section A : Questions 1-6 carry 1 mark each
Section B : Questions 7-12 carry 2 mark each
Section C : Questions 13-22 carry 3 mark each
Section D : Questions 23-30 carry 4 marks each

Section A

- 1. What is the complete distance around a circle called? 1
- 2. Name the triangle ABC in two different ways. 1

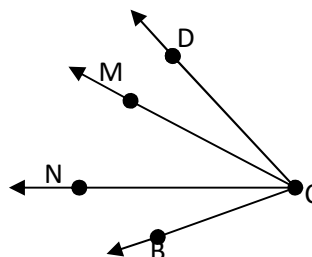


- 3. Write the additive inverse of (-5). 1
- 4. What is the greatest number which on rounding off to nearest thousands gives 5000? 1
- 5. How many whole numbers are there between 1032 and 1209? 1
- 6. Write first four multiples of 7. 1

Section B

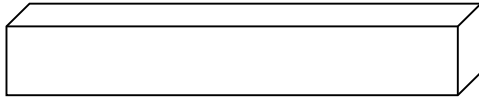
- 7. Find the value of following using appropriate properties. Mention the property used. 2
 - (a) $297 \times 17 + 297 \times 3$
 - (b) $81265 \times 169 - 81265 \times 69$

- 8. Name any four angles from the following figure – 2



- 9. Test the divisibility of following numbers by 4- 2
 - (a) 572
 - (b) 1700

10. Identify the solid given below. Write the number of vertices, faces and edges in this shape. 2



11. (a) Which number is called additive identity? 2
(b) Which number is called multiplicative identity?

12. Compare the following – 2
- (a) -16 16
(b) -273 -272
(c) -17 -7
(d) -99 9

Section C

13. Estimate the product by rounding off each number to nearest hundreds- 3
- (a) 758×6784
(b) $108734 - 47599$

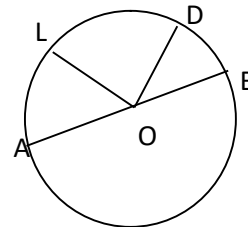
14. In the library of a school there are the books on the following subjects in given numbers: 3
English — 100, History — 500, Math — 200, Science — 300

Draw the pictograph of the above numerical data. Answer the following –

- (a) How many books are there in the library?
(b) On which subjects are there maximum and minimum number of books?

15. Find the greatest 4 –digit number exactly divisible by 12, 16, 24, 28 and 36. 3

16. In the given figure, O is the centre of the circle. 3
- (a) Name all chords of the circle.
(b) Name all radii of the circle.
(c) Name a chord, which is not the diameter of the circle.



17. Find the product using suitable property. Mention the property used. 3
- (a) 932×1003
(b) $625 \times 874 \times 16$

18. Fill in the blank with $>$, $<$ or $=$ 3
 $45 - (-11)$ $57 + (-4)$

19. Classify the quadrilateral - 3
- (a) Rhombus with 4 right angles.
(b) Parallelogram with 4 right angles and unequal adjacent sides.
(c) Quadrilateral with only 1 pair of parallel sides.

20. Write the prime factorization of 2520. 3

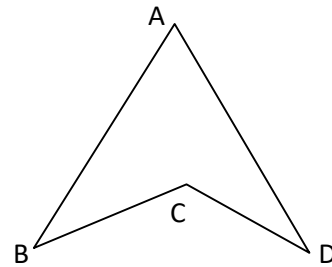
21. Give one word for the following which describe different parts of a circle. 3
- (a) Region lying between a chord and an arc.
(b) A part of the circumference
(c) A straight line through the centre and having 2 points on the circumference.

22. The number of cycles owned individually by each of 50 families is listed below. Make a table using tally marks. 3
 1, 1, 2, 1, 1, 1, 2, 1, 2, 1, 0, 1, 1, 2, 3, 1, 2, 1, 1, 2, 1, 2, 3, 1, 0, 2, 1, 0, 2, 1, 2, 1, 2, 1, 1, 4, 1, 3, 1, 1, 2, 1, 1, 1, 1, 2, 3, 2, 1, 1
 Find the number of families having two or more cycles.

Section D

23. Find the least number which should be added to 10000 so that the sum is exactly divisible by 237. 4

24. In context of given figure – 4
- (a) Name the polygon.
 (b) Name its diagonals.
 (c) State two pairs of opposite sides.
 (d) State two pairs of adjacent sides.



25. Rahul sold books worth Rs.5,945 in the month of August and books worth Rs.9,625 in the next month. Remaining few books he donated to his school library. 4
- (a) Find the total sale of books for the two months together.
 (b) In which month was the sale greater and by how much.
 (c) What moral values are shown by Rahul?

26. Find the following – 4
- (a) $317 + (-268)$
 (b) $-121 - 78$

27. Write in expanded form – 4
- (a) 3,08,927
 (b) 9,10,10,510

28. What fraction of clockwise revolution does the hour hand of a clock turn through when it goes from – 4
- (a) 7 to 10
 (b) 1 to 10

29. Two bills of Rs. 6075 and Rs. 8505 respectively are to be paid by cheques of the same amount. What will be the largest possible amount of each cheque? 4

30. Home appliances sold by a shop in one month are given below- 4

Appliance	Number of appliance
Refrigerator	75
Television	45
Washing machine	30
Cooler	60
DVD player	25

Draw a bar graph to represent the above information and answer the following questions :

- (a) Which home appliance has greater demand?
 (b) Which appliance is used least in houses?