



INDIAN SCHOOL DARSAIT
HALF YEARLY SAMPLE PAPER 1 -2017
MATHEMATICS (041)



Class: VI
Date:

Max.Marks: 80
Time: 3 hrs

General Instructions:

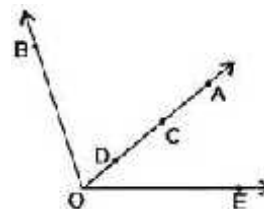
- (i) All questions are compulsory
- (ii) Calculations should be shown in a working column on the right hand side.
- (iii) Section A : Questions 1-6 carry 1 mark each
Section B : Questions 7-12 carry 2 mark each
Section C : Questions 13-22 carry 3 mark each
Section D : Questions 23-30 carry 4 marks each

Section A

- 1. Find the common factors of 15 and 25. 1
- 2. Write the smallest whole number. 1
- 3. Fill in the blanks – 1
 - (a) $-8 + \underline{\quad} = 0$
 - (b) $\underline{\quad} + 26 = 20$
- 4. By how many right angles will the hour hand move if it starts from 4'o' clock and stops at 7. 1
- 5. What is the smallest four digit number having three different digits-0,1 ,2? 1
- 6. Name the longest chord of a circle. 1

Section B

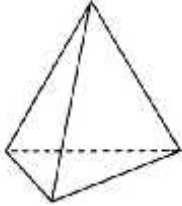
- 7. Write the successor of (a) 50999 (b) 10000 2
- 8. Determine the prime factorization of 385. 2
- 9. In the given figure, identify the following - 2
 - (a) Two rays
 - (b) Two angles
- 10. By suitable rearrangement, find the sum. Name the property used. 2
 - (a) $1462 + 173 + 538 + 2827$
 - (b) $205 + 833 + 167 + 495$








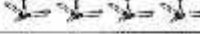


11. Name the following parallelograms. 2
 (a) All sides are equal and the diagonals are unequal.
 (b) The adjacent sides are unequal and the diagonals are equal.
 (c) The adjacent sides are equal and the diagonals are equal.
12. Find the following – 2
 (a) $-32 + (-17)$
 (b) $792 + (-793)$

Section C

13. Identify the shape given. How many faces, edges and corners does it have? 3



14. Insert commas suitably and write the number names according to Indian System of Numeration. 3
 (a) 87595792
 (b) 9900046
 (c) 32701
15. Test divisibility of following numbers by 9 – 3
 (a) 98712
 (b) 3333
 (c) 2358
16. The sale of electric fans on different days of a week are shown – 3

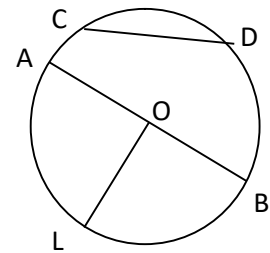
Days	Number of fans
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	
	 = 3 fans

- (a) How many fans were sold on Saturday?
 (b) On which day the maximum number of fans was sold?
 (c) If one fan was sold at the rate of Rs. 900, find the total earnings on Friday.
17. Find – 3
 (a) $50 - (-40) - (-2)$
 (b) $200 + (-55) - (-400)$

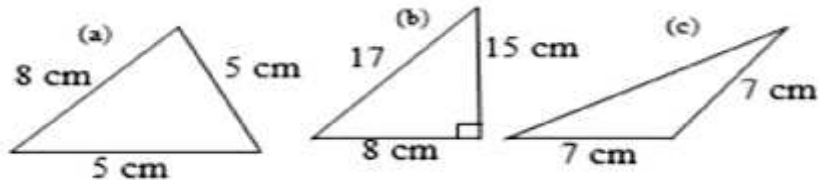
18. In a walking competition, three persons step off together. Their steps measure 85 cm, 90 cm and 80 cm respectively. At what distance from the starting point will they again step off together? 3
19. The following data gives the number of pets in 40 families:
1, 2, 6, 5, 1, 5, 1, 3, 2, 6, 2, 3, 4, 2, 0, 4, 4, 3, 2, 2, 0, 0, 1, 2, 2, 4, 3, 2, 1, 0, 5, 1, 2, 4, 3, 4, 1, 6, 2, 2
Represent it in the form of a tally table. 3

20. Find the least number which should be added to 10000 so that the sum is exactly divisible by 237. 3

21. In figure given the centre of circle is O,
(a) Name all the chords of the circle.
(b) Name the diameter.
(c) Name the radius.
(d) Name a sector.
(e) Name a segment. 3



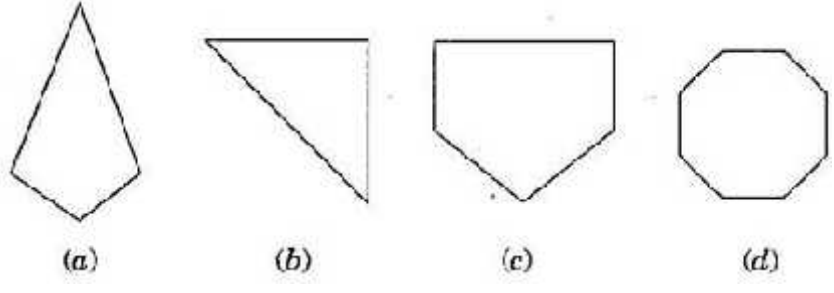
22. Name the triangles in two different ways (based on their sides and based on their angles) 3



Section D

23. A box contains 50 packets of biscuits each weighing 120 g. How many such boxes can be loaded in a van which cannot carry beyond 900 kg? 4

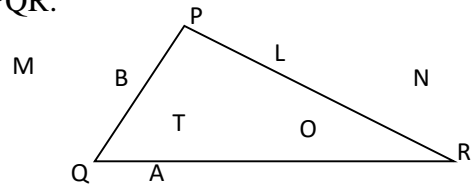
24. Name each polygon given - 4



25. Using suitable property find the product – 4
(a) 674×110
(b) 1006×178

26. Compare and fill with $>$, $<$ or $=$ 4
(a) $-21 - (-10)$ $(-31) + (-11)$
(b) $(-27) - (-17)$ $(-46) - 35$

27. (a) Name the points which are in the triangular region PQR.
 (b) Which of these lie on PQR?
 (c) Which points lie in the exterior of PQR?



4

28. The following table gives the number of competitors that took part in the Commonwealth Games held during 1962-86:

4

Year	1962	1966	1970	1974	1978	1982	1986
Number of competitors (in tens)	86	105	138	128	150	214	160

- (a) Represent this data using a bar-graph
 (b) In which year was the maximum number of competitors?
 (c) In which year was the minimum number of competitors?
29. Estimate the following-
- (a) $7345 + 15893$ (estimate to nearest thousands)
 (b) $7789 - 539$ (estimate to nearest hundreds)
 (c) 602×377 (estimate to nearest hundreds)
 (d) 1291×592 (estimate to nearest hundreds)
30. Jai and Reena are making sandwiches for a class picnic. They have 63 tomato slices, 84 cheese slices and 126 cucumber slices. What is the greatest number of sandwiches they can make if each sandwich has the same filling?

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