

INTERNATIONAL INDIAN SCHOOL, DAMMAM

SECOND TERM EXAMINATION (DEC-2017)

MATHEMATICS

TIME: 3Hours

CLASS: VI

SET A

MAX MARK: 80

SECTION A

(5X1=5 MARKS)

1. What fraction of an hour is 20 minutes?
2. 1g = -----kg
3. Perimeter of a regular pentagon of side 6 cm is -----
4. Successor of (-17) is -----
5. A ----- is a simple closed figure made up of line segments.

SECTION B

(6X2=12MARKS)

6. a) The distance around a circle is its -----  
b) A -----of a circle is a region in the interior of the circle enclosed by an arc and a chord.
7. Write 4 equivalent fractions of  $\frac{5}{7}$
8. Convert : a) 6005 paise into rupees    b) 2500m into km
9. Roshni purchased 2 note books for Rs.30. Her friend Sidharth wants 5 note books of the same type. How much rupees he needs to pay?

OR

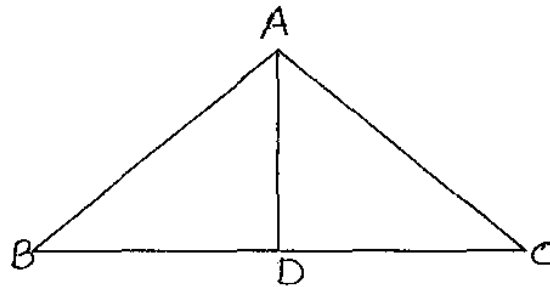
9. Length and breadth of a rectangular field are 75m and 15m respectively. Find the ratio of the length to the breadth of the field.
10. Reduce the following to its simplest form  
a)  $\frac{250}{150}$     b)  $\frac{17}{51}$
11. Represent 5 more than (-5) on a number line

SECTION C

(9X3=27MARKS)

12. Simplify  
a)  $1\frac{1}{10} + 5\frac{1}{15}$   
b)  $7\frac{7}{12} - 1\frac{1}{6}$

- 13 Ashok had Rs.15.75. He bought a pencil for Rs.7.25 and an eraser for Rs.3.75. Find the balance amount left with him.
- 14 Look at the figure :



- a) Identify any two triangles in the figure  
b) Write the names of any 4 line segments  
c) Write the names of any two angles.
- 15 Write as fractions in the lowest terms
- a) 0.125  
b) 0.18

OR

15. Express as kg using decimals
- a) 15kg 50g      b) 4530g
- 16 Determine if the following are in proportion. Also write the middle terms and extreme terms if they are in proportion: 8, 12, 16, 24
- 17 Solve :  $(-45) - (-30) - (-5)$
- 18 Aleena wants to fence the square shaped garden in front of her house, with side 20m. Find the cost of fencing it at the rate of Rs.180 per metre.
- 19 Add without using number line
- a)  $(-285) + 130 + 45$   
b) Which number shall we reach if we move 6 numbers to the left of 2?
- 20 Find the distance covered by Namitha if she takes 4 rounds of a rectangular park of length 150m and breadth 120m.

SECTION D

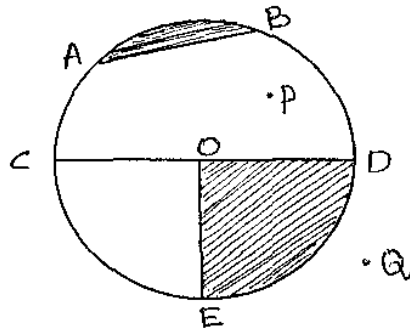
(9X4=36MARKS)

- 21 Draw a rough sketch of quadrilateral KLMN and state
- a) Two pairs of opposite angles  
b) Two pairs of adjacent sides  
c) Two diagonals

OR

21. Identify the following from the figure

- i) Centre
- ii) Radius
- iii) Diameter
- iv) Arc
- v) Chord
- vi) Sector
- vii) Segment
- viii) A point in the interior



- 22 Rwitika worked for  $3\frac{3}{4}$  hours and Rishi worked for  $3\frac{8}{9}$  hours. Who worked for more time and by what fraction?
- 23 Javed purchased 5kg 400g rice, 2kg 20g sugar and 10kg 450g flour. Find the total weight of his purchases
- 24 A bus travels 120km in 3 hours. How long will it take to travel 360 km? What is the distance covered by the bus in 5 hours?
- 25 Four square flower beds each of sides 2m are dug in a piece of land 10m long and 8m wide. What is the area of the remaining land?
- 26 i) Divide 25 chocolates between Ram and Shyam in the ratio 2:3  
ii) Present age of mother is 35 years and that of her daughter is 10 years. Find the ratio of  
a) Present age of mother to the present age of daughter?  
b) Age of mother after 5 years to the age of daughter after 5 years?
- 27 Two vessels together contain  $4\frac{1}{6}$  litre of milk. If one vessel contains  $3\frac{1}{4}$  litre of milk. Find the milk contained in the other vessel?
- 28 Solve  
a)  $30 + (5) + (-45) + (-8)$   
b)  $(-36) - (-50)$
- 29 By splitting the figure into rectangles, find its area (measures are given in centimeters)

