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22/11/19
Poralay Kabi 22.11.19



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

Annual Examination- 2019

Sub: Mathematics model Answer

Class: V

Date: 22/11/2019

Group A

1. Choose the correct option:

1x5=5

a) Predecessor of 9000 is

iii) 8999

b) LCM of 2 and 5 is

i) 10

c) Converting $2\frac{1}{5}$ into percentage we get

iii) 220%

d) If sum of two angles in a triangle is 140° then measure of the third angle is

ii) 40°

e) Number of lines of symmetry in a square are

iii) 4

2. Fill in the blanks:

1X5=5

a) If area of a rectangular field is 500 sq. ft and breath is 25 ft. length of the field is **20ft.**

b) Converting 12 gm into milligrams we get **12000 mg.**

c) Converting 12 minutes into seconds we get **720 seconds**

d) Selling Price = **cost price** + Profit.

e) The sum of the measures of any two sides of a triangle is always **greater** than the third.

3. Write True or False

1X5=5

a) 100 m of 2 km is 5%. True

b) $16.8 \times 100 = 168$ False

c) $2\frac{1}{4} \times 3\frac{1}{3} = 7\frac{1}{2}$ True

d) In 172.342 place value of 4 is 4 tenths. False

e) A angle whose measure is 360° is called a complete angle. True

4. Match the following:

1X5=5

Column A

Column B—

i) The diameter measures
Double the

i) Radius of the circle

ii) Double right angle
is

ii) Straight angle

iii) $0.649 \times 100 =$

iii) 64.9

iv) Selling Price = Rs.285
And profit = Rs. 105

iv) Cost price is rs 180

v) Converting 1700 hrs into
12 hr clock we get

v) 5pm

5. Answer the following

1x5=5

a) In a leap year, February has **29 days** days.

b) Write three capital letters of the English alphabet that are symmetrical about vertical axis.

Ans A, X, Y

c) Write down first three multiples of 13.

Ans. 13, 26, 39

d) Find out $48927/1000$ in decimal.

Ans. 48.927

e) Subtract and simplify : $\frac{6}{7} - \frac{2}{3}$.

Ans. $4/21$

Group B

6. Answer the following question:

2X5=10

a) Find out the LCM of 30 and 40.

Ans. 120

b) Form the greatest and smallest numbers by using 7,3,4,1,0 and 9.

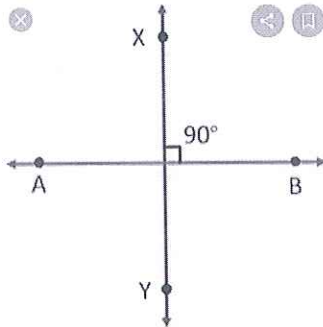
Ans. greatest number is 974310 and smallest number is 103479

c) Find the predecessor and successor 54,99,999

Ans. Predecessor -5499998 successor- 5500000

d) Define perpendicular lines with a proper drawing.

Ans. when two lines intersect and they make ninety degree angle with each other these two lines are known as perpendicular lines to each other.



e) $15 \times 12 = 180$ means 180 is a multiple of 12 and 15.

7. Answer the following (any 5)

$$3 \times 5 = 15$$

a) Find the greatest number that can divide 510 and 425 exactly.

Ans. $510 = 17 \times 5 \times 2 \times 3$ and $425 = 17 \times 5 \times 5$, HCF = $17 \times 5 = 85$

b) Simplify: $3\frac{1}{2} - 2\frac{3}{4} + 1\frac{7}{8}$

Ans. $\frac{28-22+15}{8} = 2\frac{5}{8}$

c) The weight of 12 sugar bags is 267 kg. What is the weight of each bag?

Ans. weight of each bag is $(267 \div 12) \text{kg} = 22.25 \text{ kg}$

d) Convert each one of 780 seconds and 1500 seconds into minutes and seconds.

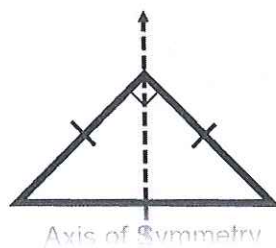
Ans $780 \text{ seconds} = (780 \div 60) \text{ mins} = 13 \text{ mins}$ and $1500 \text{ seconds} = (1500 \div 60) \text{ mins} = 25 \text{ mins}$

e) Srijan sold a pair of shoes for Rs. 540. He suffered a loss of Rs. 41.50 in the deal.

What was the cost price of the shoes?

Ans. Cost price of the shoe is Rs $(540 + 41.50) = \text{Rs } 581.50$

f) Draw an isosceles triangle and its line of symmetry.



Ans.

g) A real estate trader takes 6% commission. If the value of the property is Rs. 6,00,000. What is his commission?

Ans. Commission = Rs $(600000 \times 6/100) = \text{Rs } 36,000$

Group C

8. Answer the following (any 8) :

$$5 \times 8 = 40$$

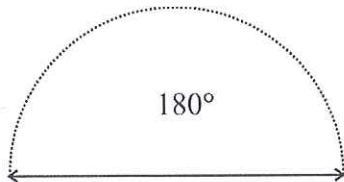
a) Simplify i) $28.35 \div 9$ Ans. 3.15 ii) 216.08×4.8 ans. 1037.184

b) i) Define reflex angle with an example.

Ans The angles measuring more than 180 degree and less than 360 degree are called reflex angles . Example. 200 degree is an reflex angle.

ii)Construct an angle of 180°. What do you discover about its shape?

Ans.



The shape is a straight line.

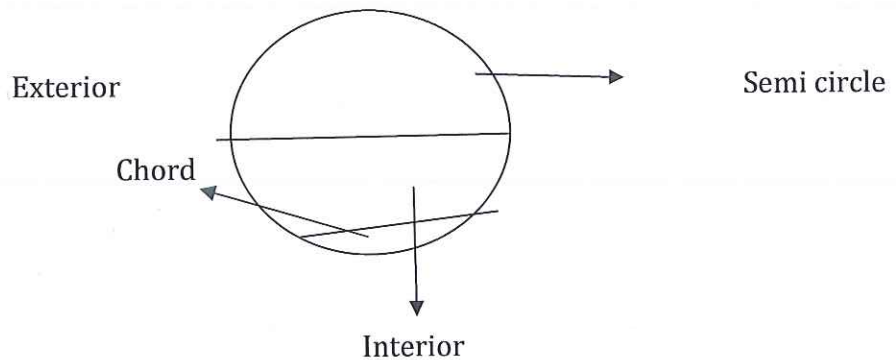
- c) A shopkeeper sold and bought a television at Rs. 5000 and Rs. 2400 respectively. From the profit earned he invested 13% in his business. How much profit is left with him?

Ans . The shopkeeper invested Rs $[(5000-2400) \times 13/100]=Rs\ 338$

Therefore The profit left is Rs $(2600-338)=Rs\ 2262$

- d) Draw a circle with radius 4 cm. Mark the parts of chord, interior, exterior and semicircle.

Ans.



- e) Find the cost of covering a square figure having perimeter 80 m. and cost of covering the area is Rs. 10 per sq. meter.

Ans. Each side of the square field is $(80 \div 4) = 20$ m, Area of the field is (20×20) sq m = 400 sq m , Therefore cost covering the field is Rs $(10 \times 400) = Rs\ 4000$

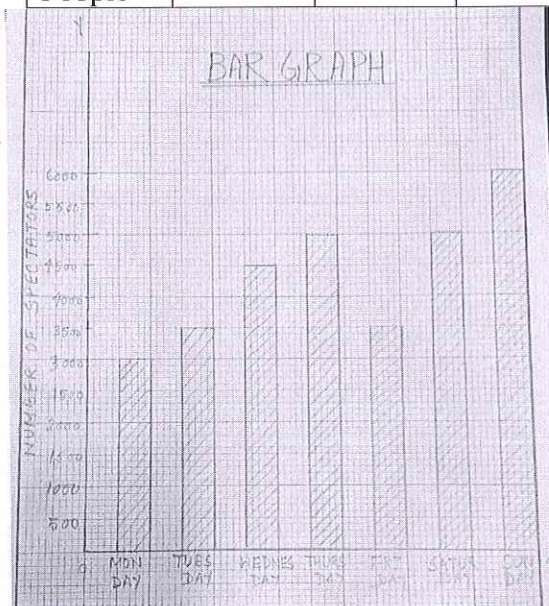
- f) Find the average of first eight even numbers and find out the average of first four multiples of 7.

Ans. Average of first eight even numbers is $[(2+4+6+8+10+12+14+16) \div 8] = 9$

And Average of first four multiples of 7 $[(7+14+21+28) \div 4] = 17.5$

- g) Draw a bar graph on the basis of data given below. The number of spectators for a circus show for a given week is shown below:

Day	Mon	Tue	Wed	Thu	Fri	Sat	Sun
No. of People	3000	3500	4500	5000	3500	5000	6000



h) Convert 58 KL into litre and find out 20% and 25% of it.

Ans. 58 kl = 58000 litre, 58000 litres \times 20/100 = 11600 litres = 11.6 kl and 58000 litres \times 25/100 = 14500 litres = 14.5 kl.

i) Find the difference and sum of the place values of the underlined digits.

292874

Ans. place value of 4 is 4 and place value of 2 is 2000, Sum = 2004 and Difference = 1996

ii) Expand 73524608 in words.

Ans 73524608 = seven crore + thirty lakh + five lakh + twenty thousand + four thousand + six hundred + eight

j) A contractor sent 76,95,940 bricks for the construction of 70 chambers. If equal number of bricks was used for each chamber, how many bricks were used for each chamber?

Ans. Number of bricks used for each chamber is $(76,95,940 \div 70) = 109942$