**Section D**

1. **The school canteen charges Rs.200 for lunch and Rs.40 for milk for each day. How much money do you spend in 5 days on these things (Solve using the property of distributive of multiplication over addition)**
2. **Find the least number which when divided by 6, 15 and 21 leave remainder 7 in each case.**
3. **Two tankers contain 850 liters and 680 liters of Kerosene oil respectively. Find the maximum capacity of a container which can measure the Kerosene Oil of both the tankers when used an exact number of times.**
4. **The table below is about the number of students of class IV who opted for various activities:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Activities** | **Draw-ing** | **Basket-ball** | **Music** | **Badmin-ton** | **Dance** |
| **No. of Students** | **30** | **20** | **15** | **25** | **15** |

 **Draw a bar graph using appropriate scale and answer the**

 **Questions:**

 **a. Which activity was opted by maximum no. of students?**

 **b. Which activity was opted by equal number of students?**

1. **Fertilizer bags weight are 50 kg and 80 kg. Find the maximum value of weight which can measure the weight of fertilizer exactly number of times.**

 **LBS**

**SA – I**

**CLASS VI (2015-16)**

**MATHS**

**Time: 3 hrs M M: 90**

**Instructions:**

**Section A: 1 mark each**

**Section B: 2 marks each**

**Section C: 3 marks each**

**Section D: 5 marks each**

**Section A**

**1. The smallest prime number is**

 **a. 1 b. 2 c. 3 d. 5**

**2. Which one of the following is a Co-Primes pair?**

 **a. 8,10 b. 9,10 c. 6,8 d. 15,18**

**3. The sum of two odd numbers is an odd number.**

 **(True/False)**

**4. Which of the following will not represent zero:**

 **a. 1+0 b. 0 x 0 c.** $\frac{0}{2}$ **d.** $\frac{10-10}{5}$

**5. A number which has more than two factors is called**

 **\_\_\_\_\_\_\_\_\_ number.**

**6. If a number is divisible by 9, it must be divisible by 3.**

 **(True/False)**

**7. Diameter is \_\_\_\_\_\_\_\_\_\_\_ the size of radius.**

**8. The longest chord of the circle is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**

**9. Which of the following is not an acute angle?**

 **a. 450 b. 600 c. 1150 d. 300**

**Section B**

1. **Find the sum by suitable arrangement and property:**

**1867 + 548 + 633 + 462**

1. **Find the product using property:**

**732 x 105**

1. **Write all the factors of 72**
2. **Write all the prime numbers less than 30.**
3. **Using divisibility test, determine 7138965 is divisible by 11 or not.**
4. **Find the common factors of 56 and 120**
5. **Which direction will you face if you start facing**

**a. east and make** $\frac{1}{2}$ **of a revolution clockwise?**

**b. south and make one full revolution?**

1. **Name the types of following triangles:**

**a. Δ XYZ with m 600 and XY = YZ**

**b. ΔPQR such that PQ = QR = PR = 5 cm**

1. **The number of children per family in 25 families is given below:**

**3,4,5,1,3,2,2,2,3,3,1,2,4,3,5,2,1,3,3,1,2,2,1,3,2**

**Using tally marks find the number of children with different families**

1. **Write a digit in the blank space in the following number so that it is divisible by 11:**

**6\_\_809**

**Section C**

1. **Find the value of the following:**

**3845 x 5 x 782 + 769 x 25 x 218**

1. **Using divisibility test, determine following number is divisible by 6 or not: 639120**
2. **Write the greatest 5 digit number and express it in the form of its prime factors.**
3. **Find the H.C.F of 70, 105, 175**
4. **Determine the greatest three digit number which is exactly divisible by 12, 15 and 20**
5. **How many lines can pass through**

**a. One point b. two given points**

**Draw the figures and show it.**

1. **In the given diagram name the point (S)**

**a. In the interior of DOE**

**b. in the exterior of EOF**

**c. on EOF**

1. **Draw any circle and mark:**

**a. center b. a radius c. a diameter**

**d. a sector e. a segment f. an arc**

1. **The following are the number of electric bulbs purchased for a lodging house during the first four months of a year:**

**Represent the details by a pictograph:**

|  |  |
| --- | --- |
| **Months** | **Number of bulbs** |
| **January****February****March****April****May** | **20****50****35****45****15** |

1. **Find LCM of 65, 70 and 75**
2. **Draw a cube and define**

**1. Edge 2. Vertex**

**12. Draw a quadrilateral PQRS State:**

**a. two pairs of opposite angles**

**b. two pairs of adjacent sides**

**c. two pairs of adjacent angles**