STD: V   **Marks: 80**
Date:12/02/2024   **Time:2 hours**
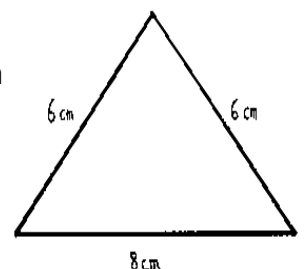
Attempt all the questions

Question 1.

Choose one correct answer to the questions from the given options: **[10]**

a.   4 hours 40 minutes = _____ minutes:
      (a) 260   (b) 280   (c) 240   (d) 200

b.   In short form, 12 rupees 5 paise can be written in rupees as:
      (a) 12.05   (b) 12.50   (c) 12.005   (d) 125.00

c.   The area of a square 15 cm will be:
      (a) 215 sq.cm   (b) 220 sq.cm   (c) 210 sq.cm   (d) 225 sq.cm

d.   The LCM of 12 and 24 is:
      (a) 12   (b) 6   (c) 4   (d) 24

e.   What is the decimal of thirty-three hundredths?
      (a) 0.0033   (b) 0.303   (c) 0.33   (d) 0.033

f.   A bottle of air freshener contains 1.2 L of liquid. How much is that in ml?
      (a) 12 ml   (b) 120 ml   (c) 1200 ml   (d) 12000 ml

g. 0.756 expressed as a percentage is:
      (a) 7.56%   (b) 0.756%   (c) 756%   (d) 75.6%

h.   Data can be represented by dividing a circle into sectors, also known as:
      (a) Pie graph   (b) Circle graph   (c) Both are true   (d) Both are false

i. 200 g is _____% of a kg:
      (a) 2%   (b) 20%   (c) 200%   (d) None

j. The perimeter of the given shape is:
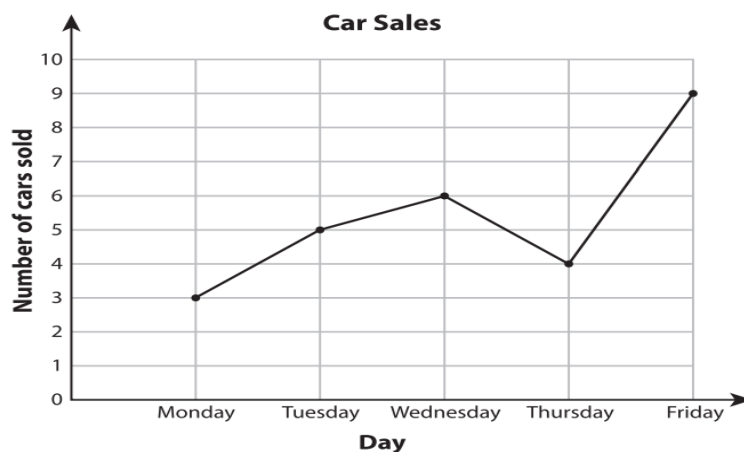   (a) 12 cm   (b) 50 cm   (c) 20 cm   (d) 25 cm

A triangle with two sides labelled 6 cm and the base labelled 8 cm.

Question 2.

a. State whether TRUE or FALSE: **[2]**
   i. To convert a larger unit into a smaller unit, we multiply.
   ii. 5 m 53 cm divided by 6 gives 79 cm.

b. How many seconds are there in 29 hours? **[2]**

c. Maria purchased 5 L 340 ml of sunflower oil and 4 L 900 ml of olive oil. What is the total quantity of oil purchased by Maria? **[2]**

d. Find the number whose 8% is 100. **[2]**

e. The HCF of two numbers is 42 and their LCM is 672. If one of the numbers is 28, find the other. **[2]**

Question 3.

a. Find the HCF of 105 and 225 using the prime factorization method: **[2]**
b. Subtract 16 years 10 months from 31 years 8 months. **[2]**
c. Ramesh's height is 153.76 cm and Suresh's height is 153.706 cm. Who is taller and by how much? **[3]**
d. Add Rs. 45.76 to Rs. 63.20 and subtract the sum from Rs. 250. **[3]**

Question 4.

a. Raj scored 270 marks out of 300 in an examination. What is his percentage? **[2]**

b. Do as directed: **[4]**
   i. Find the product: 3.476 × 8
   ii. Divide: 19.068 cm by 6

c. George works as a salesman in an authorized car showroom. He records the number of cars sold on a line graph. Study the graph and answer the questions: **[4]**

i. On which day maximum number of cars were sold?

ii. How many cars were sold on Wednesday?

iii. How many more cars were sold on Tuesday than on Monday?
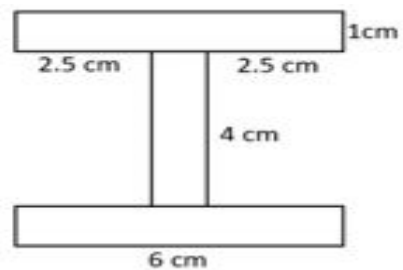
iv. What is the total number of cars sold in 5 days?

Question 5.

a. Convert the following: **[2]**

    i. 95% into a decimal

    ii. 73 cm as a percent of a metre

b. What is the time duration between 7:30 am and 11:15 pm? **[2]**

c. A truck daily carries boxes of vegetables weighing a total of 500 kg. If each box weighs 800g, find the number of boxes that the truck carries. **[3]**

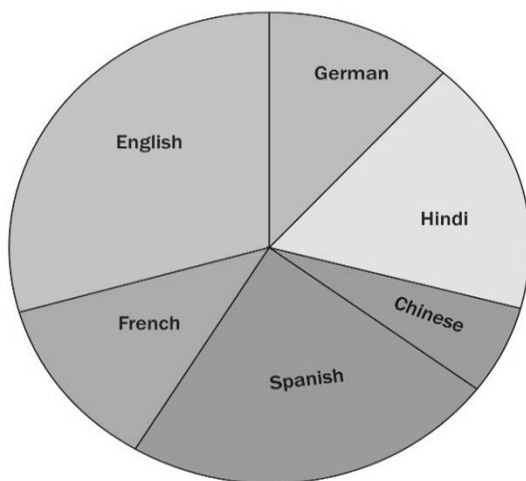**d.** Find the area of the following given figure: **[3]**

Question 6.

a. Fill in the blanks: **[2]**

    i. Rs. 121.78 = _____ rupees _____ paise

    ii. 650 rupees 20 paise = Rs. _____

b. Find the LCM of 18, 36 and 42 by long division method: **[2]**

c. Observe the following pie chart indicating the languages children speak in an International school. Answer the questions that are given below: **[3]**

Number of Students

i. Which language is spoken the most and which is the second most?

ii. Which language is spoken the least?

iii. Which two languages are spoken by almost equal number of children?
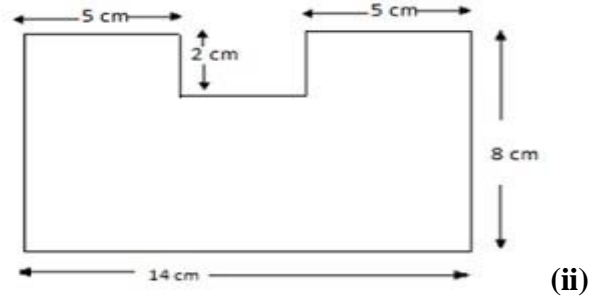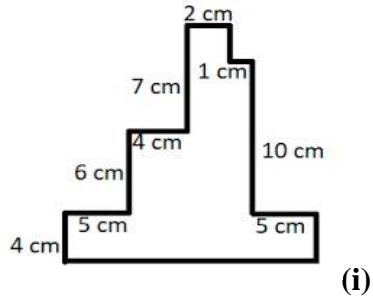
d. A water colour painting has length of 85 cm and breadth of 60 cm respectively. Calculate the area and perimeter of the painting. **[3]**
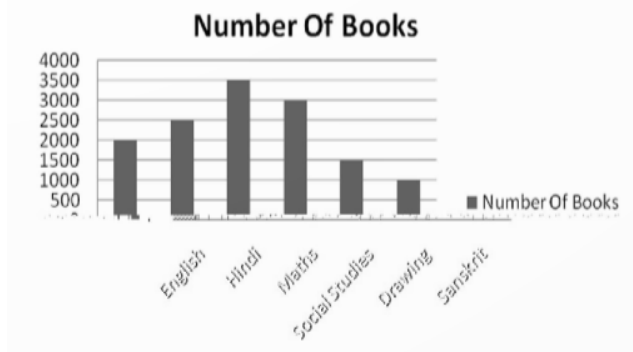
Question 7.

a. Fill in the blanks: **[2]**
    i. 12 days after 24th March will be _____
    ii. 4 hours after 10 : 20 am will be _____

b. Place the decimal point at the correct place of the quotient: **[2]**
    i. 744.8 ÷100   **ii.** 0.332 ÷10

c. Shruti's salary is Rs. 35,000 per month. If she saves 12% of the money every month, How much does she spend every month? **[3]**

d. A bag contains 24kg 3g of raw crystals. Manish took out 478g of crystals in the morning, 4kg in the afternoon and 12kg 41g in the evening. Calculate the weight of crystals left in the bag. **[3]**

Question 8.

a. Calculate the perimeter of the following given figures: **[4]**

(i)
(ii)

b. Every week Amit saves Rs. 35 on Monday and Rs. 30 on Saturday. If this is his total weekly savings, how many weeks will he take to save enough to buy a bag for Rs. 455? **[3]**

c. Read the bar graph given below and answer the questions that follow: **[3]**

i. What is the total number of books in the library?
ii. How many more books are there in Maths than in S.St?
iii. How many fewer books are there in drawing than in Hindi?

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