



# INDIAN SCHOOL AL WADI AL KABIR

Post Mid-Term Examination (2023-24)

Class: VI

Sub: MATHEMATICS

Max Marks: 30

Date: 30-11-2023

Set- II

Time: 1 hour

**Instructions:**

Section A: Multiple Choice Questions (Q.1 to Q.6)

Section B: Source-based questions (Q.7 to Q.11)

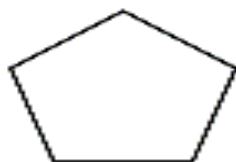
Section C: Long Answer Questions (Q.12 to Q.15)

Section D: Case Study Questions (Q.16 to Q.17)

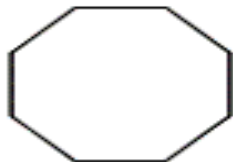
Note: This question paper consists of 04 printed pages.

**Section A: Multiple Choice Question (Q.1 to Q.6) of 1 mark each**

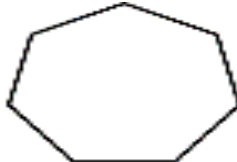
1. Observe the polygons displayed below and identify which one of them is a pentagon.



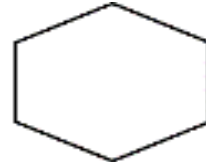
Polygon A



Polygon B



Polygon C



Polygon D

- A** Polygon D    **B** Polygon B    **C** Polygon C    **D** Polygon A

2. Which of the following indicates the highest temperature in degrees Celsius ( $^{\circ}\text{C}$ )?

- A**  $10^{\circ}\text{C}$     **B**  $(-80)^{\circ}\text{C}$     **C**  $(-100)^{\circ}\text{C}$     **D**  $8^{\circ}\text{C}$

3. On the number line, the integer 6 is located \_\_\_\_\_

- A** to the left of 0.    **B** to the right of 0.    **C** to the left of 3.    **D** to the left of  $(-5)$

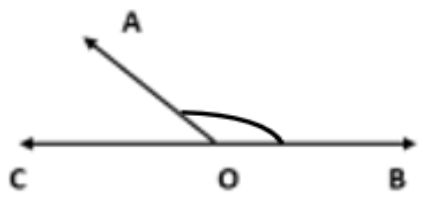
4. Name the quadrilateral whose all sides are equal and all angles are equal to 90 degrees.

- A** Trapezium    **B** Square    **C** Parallelogram    **D** Kite

5. What is the successor of  $(-12)$ ?

- A**  $(-10)$     **B**  $(-13)$     **C**  $(-11)$     **D**  $(-21)$

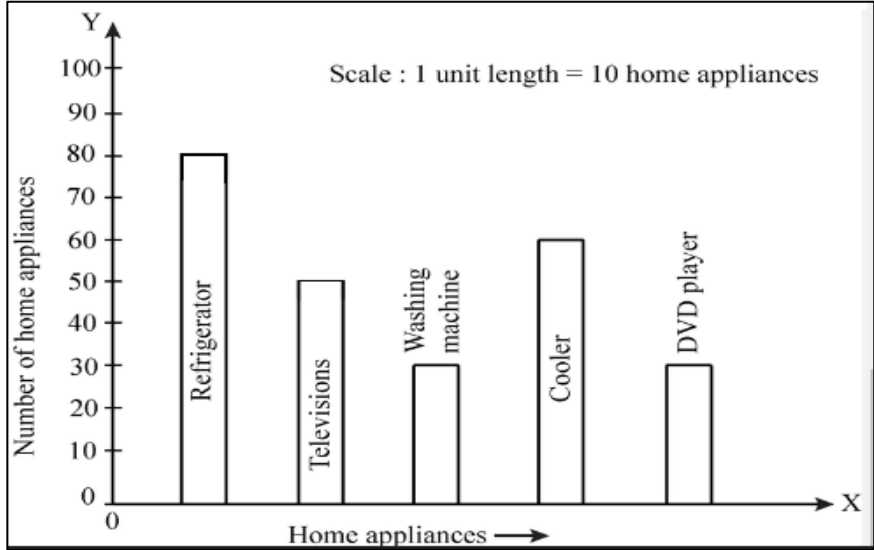
6. Classify the type of angle represented by  $\angle AOB$  in the figure shown.



- A** Acute angle      **B** Obtuse angle      **C** Right angle      **D** Complete angle

**Section B:** Source-based questions (Q.7 to Q.11) of **1** mark each

During the festival season, an electronics store announced a discount on home appliances. The sale for one month of the shop was shown as a bar graph.



Observe the bar graph and answer the question that follows.

7. How many more Televisions are sold than DVD Player?

- A** 10      **B** 20      **C** 40      **D** 50

8. What is the total sales of both televisions and coolers together?

- A** 90      **B** 120      **C** 110      **D** 100

9. Which two appliances were sold in equal numbers?

- A** Refrigerator and Cooler      **B** Television and Refrigerator      **C** Washing machine and DVD player      **D** Television and Cooler

10. How many Coolers were sold in one month?

- A** 60      **B** 70      **C** 80      **D** 90

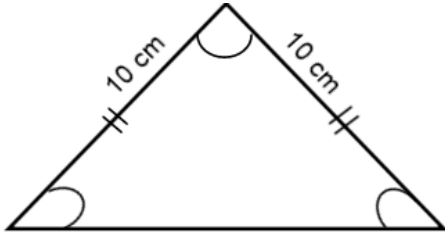
11. Which appliance has the maximum monthly sales?

- A** Television      **B** Refrigerator      **C** Washing machine      **D** DVD player

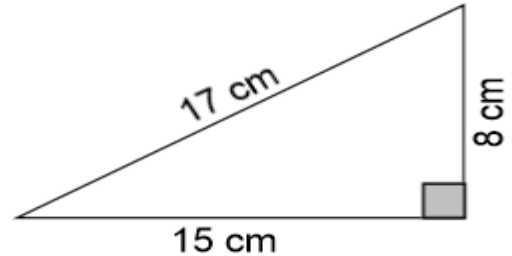
**Section C:** Long Answer Questions (Q12 to Q.15)

**12.** Based on the sides and angles, name each of the following triangles in **2** different ways. (2m)

(a)



(b)



**13.** The data on modes of transport used by 20 students to come to school are given below: (2m)  
Arrange the data given in a frequency table using tally marks.

**Walk, Bus, Bike, Walk, Bike, Bike,  
Bus, Walk, Walk, Car, Bus, Car, Car  
Walk, Walk, Bus, Bike, Bus, Car, Walk**

**14.** Evaluate the following: (3m)

a.  $23 + 77 + (-33) + (-17)$

b.  $60 + (-35) - (-25)$

**15.** Answer the following questions: (4m)

- (i) What part of a revolution have you turned through if you stand facing North and turn clockwise to turn West?
- (ii) Which direction will you face if you start facing east and make  $\frac{1}{2}$  of a revolution clockwise?
- (iii) Where will the hour hand of a clock stop if it starts from 5 and turns through 1 right angle?
- (iv) Where will the hand of a clock stop if it starts at 2 and makes  $\frac{3}{4}$  of a revolution, clockwise?

**16. Case Study-1:** The following is an account of a shopkeeper that shows profit and loss from the sale of certain items.

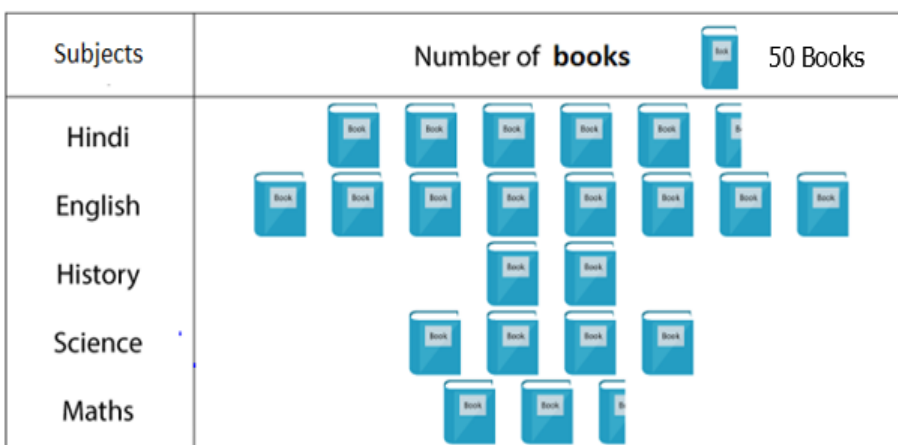
Name of the item	Profit	Loss
Millet	₹150	-
Wheat	-	₹ 250
Pulses	₹225	-
Coconut oil	-	₹330

**Based on the above information answer the following questions.**

- (i) Write the loss of ₹250 on wheat with appropriate signs. (1m)
- (ii) The shopkeeper deposits ₹2800 in his bank account and withdraws ₹1500 from it, the next day. Find the balance in the shopkeeper's account. (1m)
- (iii) What is the additive inverse of 330? (1m)
- (iv) How many negative integers are there between (-5) and 2. (1m)

**17. Case Study-2:**

The pictograph depicts a variety of subject books available in a school library for students.



**Based on the above information answer the following questions.**

- (i) How many Hindi books are there in the library? (1m)
- (ii) How many symbols are needed to represent the 350 magazines available in the library? (1m)
- (iii) Which subject books are maximum in number? (1m)
- (iv) Which subject books are 200 in number? (1m)

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