

# KENDRIYA VIDYALAYA PICKET, SECUNDERABAD

## HALF YARLY EXAMINATION (2022-23)

CLASS: V SEC. \_\_\_\_\_

SUB: MATHEMATICS

DURATION: 120 M

MAX MARKS: 80

COMPETENCY	KNOWLEDGE (20)	UNDERSTANDING BASIC CONCEPTS (20)	ABILITY TO COMPUTE (20)	PROBLEM SOLVING ABILITY (20)	TOTAL (80)	SIGN OF INVIGILATOR
SECURED MARKS						SIGN OF THE EXAMINER

NAME: \_\_\_\_\_

ROLL NO. \_\_\_\_\_

### KNOWLEDGE (20 MARKS)

#### ANSWER ALL THE QUESTIONS.

1) What is the shaded part here?



( ) 1M

- A) Area                      B) Perimeter                      C) Boundary                      D) Volume

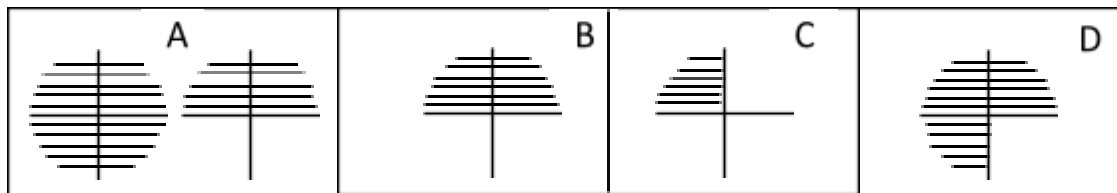
2) The result of multiplying a number by another number is its \_\_\_\_\_. 1M

- A) Factor                      B) Divisor                      C) Multiple                      D) Quotient

3) I am a shape with 6 sides and 6 angles. Who am I? ( ) 1M

- A) Triangle                      B) Hexagon                      C) Pentagon                      D) Rectangle

4) Identify the Improper / Mixed Fraction. ( ) 1M



5) \_\_\_\_\_ is the only even prime number. 1M

6) Area of the Hyderabad city is measured in \_\_\_\_\_. 1M

7) The number at the top of the fraction is \_\_\_\_\_. 1M

8) The line which is dividing a figure into two mirror halves is called as the line of \_\_\_\_\_. 1M

9) One Hundred Lakh is called as \_\_\_\_\_. 1M

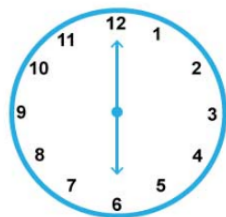
10). \_\_\_\_\_ part of our National Flag is coloured green. 1M

11) Write in words. 2M

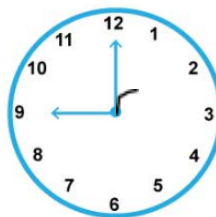
a) 1, 00,000 = \_\_\_\_\_.

b) 25485 = \_\_\_\_\_.

12) Observe the angles in the clock and write the type of the angle. 2M



6.00 p.m.

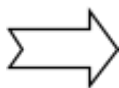


9.00 a.m.

13) Match the following. 2M

	same denominator	improper fraction
Fractions with	different denominator	like fraction
	numerator as 1	unlike fraction
	higher numerator	unit fraction

14) Circle the closed shapes. 2M



15) Fill in the blanks. 2M

a)  $150 + \underline{\hspace{1cm}} + 300 = 200 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

b)  $129 + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = 542 + 328 + \underline{\hspace{1cm}}$

**UNDERSTANDING BASIC CONCEPTS (20 MARKS)**

**ANSWER ALL THE QUESTIONS.**

**16)** Write the English letters which are having 2 or more than 2 lines of symmetry. **1M**

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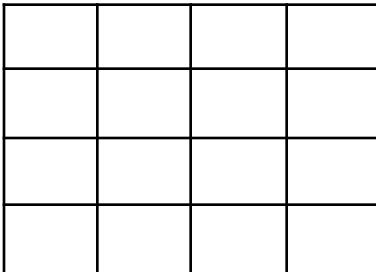
**17)** Identify the type of the angle. **1M**



**18)** Complete the remaining half. **1M**



**19)** What is the area of the given figure on the square grid of 4cm X 4 cm? **1M**



**20)** The value of the proper fraction is \_\_\_\_\_ 1 **1M**  
.(less than / greater than / equals to)

**21)** Circle the obtuse angles in the given. **1 M**

$183^{\circ}$ ,  $45^{\circ}$ ,  $290^{\circ}$ ,  $99^{\circ}$ ,  $90^{\circ}$

**22)** Match the fraction with the related Like fraction. **2M**

$$\frac{5}{2}$$

$$\frac{13}{3}$$

$$\frac{6}{5}$$

$$\frac{7}{2}$$

$$\frac{7}{3}$$

$$\frac{9}{4}$$

$$\frac{1}{4}$$

$$\frac{12}{5}$$

23) Continue the pattern.

2M

A26, B25, C24, \_\_\_\_\_, \_\_\_\_\_.

BBA , CCB , DDC, \_\_\_\_\_ , \_\_\_\_\_.

24) Which 2 digit, 3 digit numbers look the same on half a turn?

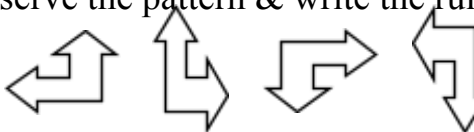
2M

2 digit \_\_\_\_\_

3 digit \_\_\_\_\_

25) Observe the pattern & write the rule of the pattern.

2M

a)  Rule : \_\_\_\_\_


b)  Rule: \_\_\_\_\_


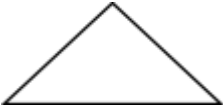

26) List any 2 common multiples of 3, 4.

2M

27) Look at the shape and count the no of angles and write the type of the angle which is marked in each shape?

4M

Shape	No of Angles	Type angle
		

**ABILITY TO COMPUTE (20 MARKS)**

**ANSWER ALL THE QUESTIONS.**

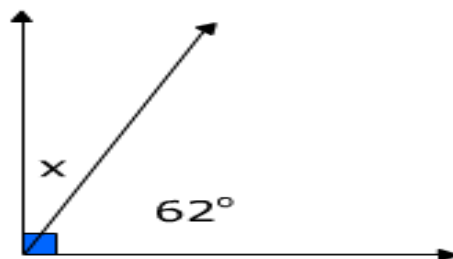
**28)** Expand this number.

**1M**

$$25462 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}}.$$

**29)** Find out the missing angle here.

**1M**



**30)** Find out the perimeter of the rectangle. (Length = 4 cm, Breadth = 6cm)

**1M**

**31)** What is  $\frac{1}{4}$  of the 24 marbles? **1M**

**32)** How many 20 paise will make one rupee? **1M**

**33)** Write the factors of 12. **1M**

**34)** Write any 2 Equivalent fractions for the given fractions. **2M**

a)  $\frac{7}{2} =$  \_\_\_\_\_

b)  $\frac{5}{4} =$  \_\_\_\_\_

		49
46		
	52	47

**35)** Fill this square using all the numbers from 46 to 54. **2M**

Rule: The total of the each line is 150.

**36)** Find out the Area and Perimeter of the square whose side is 12 m. **2M**

**37)** Find out the L.C.M of the 12, 18. **2M**

38) Find out  $1+2+3+4+5+6+\dots\dots\dots+24+25=?$  2M

39) Draw the factor trees of 36 in two different ways. 4M

**PROBLEM SOLVING ABILITY(20 MARKS)**

**ANSWER ALL THE QUESTIONS.**

40) I am the successor of the 4 digit greatest number who am I? ( ) 1M

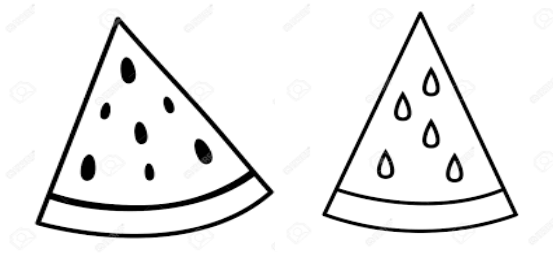
- |                                     |                            |
|-------------------------------------|----------------------------|
| A) 4 digit smallest greatest number | B) 5 digit smallest number |
| C) 5 digit greatest number          | D) 4 digit greatest number |

41) Angles marked in the water melon slices are complementary to each other. What is sum of these angles? ( ) 1M

- |                   |                |
|-------------------|----------------|
| a) Obtuse angle   | b) Acute angle |
| c) Straight angle | d) Right angle |

42) Which of these statements is true?

- |                                |                                |
|--------------------------------|--------------------------------|
| A) Smallest factor of 8 is 8.  | B) Largest factor of 8 is 8.   |
| C) Largest multiple of 8 is 8. | D) 8 is not the multiple of 8. |



1M

43) Which of these vehicles occupies more space in the parking area? **1M**

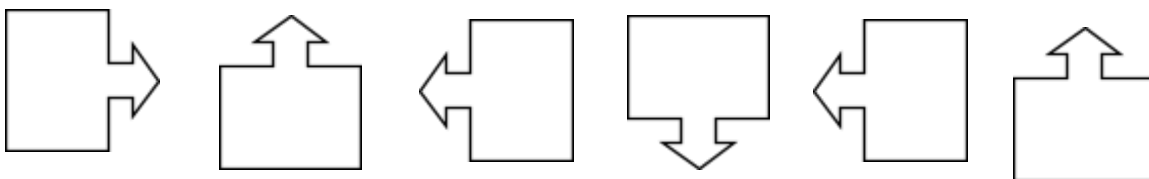
A) Bus

B) Car

C) Auto rickshaw

D) Scooter

44) Sumana made this pattern in this pattern one block is breaking the rule Identify that block . **1M**



45) Manas ate  $\frac{1}{3}$  of the chocolate. Show the remaining part of the chocolate by shading in the given rectangle . **1M**



46) Length of the Ramya's classroom is 5 M and Width is 3 M Find out the perimeter of the Ramya's Classroom. **2M**

47) Ranga & Manga are climbing steps. Ranga is on the step that is the smallest multiple of the 9 & Manga is on the greatest Factor of the 11. Find who is ahead & by how many steps **2M**

48) Find out the difference between the Place value and Face value of the underlined digit. (58456). **2M**

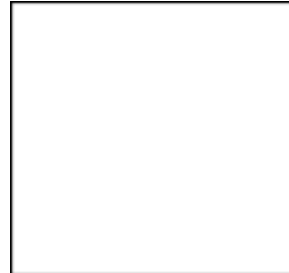
49) A bus travels at the speed of 60 km per hour .How long will it take to reach Tirupati from Hyderabad ? ( Distance 540 km) **2M**



**50)** Observe the figure and draw the lines of symmetry & write the no of lines of symmetry does it have?

**2M**

Item	Price per kg.
Tomato	RS. 60
Chilli	RS. 80
Onion	RS. 30
Brinjal	RS.. 60



**51)** Mukund went to market to buy the vegetables .Read the Price list and answer .

**4M**

i) .How much did Mukund pay for 5 kg Tomato?

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ii) How much did he pay for 2 ½ kg Chilli?

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iii) How much did he pay for 2 ¼ kg brinjal ?

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iv) How much did he pay for 15 kg onions?

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