

KENDRIYA VIDYALAYA SANGATHAN-MUMBAI REGION
HALF YEARLY EXAMINATION 2025-26

CLASS: VI

SUBJECT: MATHS (041)

Time: 02.30 Hours
60

Max Marks:

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MARKING SCHEME

Q.NO	ANSWER	MARKS
1	c	1
2	c	1
3	a	1
4	d	1
5	b	1
6	c	1
7	b	1
8	c	1
9	a	1
10	d	1
11	b	1
12	a	1
13	First four triangular numbers correctly written 1, 3, 6, 10,..	1
	Correct dotted representation	1
14	Rays: TA, TN, TB	1
	Yes, T is the starting point of all three rays	1
15	Correct method and value	1
	(a) 980	1
	(b) 144	
16	For correct table and placement	1 + 1
17	(a) February	$\frac{1}{2}$
	(b) March	$\frac{1}{2}$
	(c) 25 bulbs	$\frac{1}{2}$
	(d) 20 bulbs	$\frac{1}{2}$
18	Correct multiples of 23 - 23, 46, 69, 92	1
	Correct multiples of 36 - 36, 72, 108, 144	1
19	Circling Virahanka numbers correctly	1
	Colouring cube numbers correctly	1
	Crossing Koch snowflake numbers correctly	1
20	Correct method and value	
	1=1	2
	1+2+1=4	

	$1+2+3+2+1=9$	
	$1+2+3+4+3+2+1=16$	
	$1+2+3+4+5+4+3+2+1=25$	
	$1+2+3+4+5+6+5+4+3+2+1=36$	
	$1+2+3+4+5+6+7+6+5+4+3+2+1=49$	
	$1+2+3+4+5+6+7+8+7+6+5+4+3+2+1=64$	
	$1+2+3+4+5+6+7+8+9+8+7+6+5+4+3+2+1=81$	
	$1+2+3+4+5+6+7+8+9+10+9+8+7+6+5+4+3+2+1=100$	
	Value- 100	1
21	Correct figure and labelling	1+1+1
22	Correct statement of the rule	1
	Correct application to 19	1
	Correct final sequence (19, 58, 29, 88, 44, 22, 11, 34, 17, 52, 26, 13, 40, 20, 10, 5, 16, 8, 4, 2, 1)	1
23	Definition/explanation of artistic and aesthetic considerations	1
	Correct example showing importance of scale	1
	Clear reasoning linking scale to data visibility	1
24	(a) 24- 1, 2, 3, 4, 6, 8, 12, 24	$\frac{1}{2}$
	32- 1, 2, 4, 8, 16, 32	$\frac{1}{2}$
	Common factors: 1, 2, 4, 8	$\frac{1}{2}$
	(b) 6- 1, 2, 3, 6	$\frac{1}{2}$
	12- 1, 2, 3, 4, 6, 12	$\frac{1}{2}$
	Common factors: 1, 2, 3, 6	$\frac{1}{2}$
25	(a) For 6th row – 3, 4, 5, 6, 7, 8, 9, 10,...	1
	(b) For 10th row- Nonagon	1
	(c) 7	1
	(d) Hexagon- 6 ; Octagon 8	1
26	(a) 8730	1
	(b) 3078	1
	(c) 5652	1
	(d) 6174	1
27	Properly labelled x-axis (Name of fruits) and y-axis (Number of students) .	1
	Suitable scale chosen on the y-axis.	1
	Bars drawn correctly with proper height.	3
28	Correct construction of each angle	1,1,1,1,1