

KENDRIYA VIDYALAYA SANGATHAN, LUCKNOW REGION
SESSION ENDING EXAMINATION 2023-24
CLASS – VII
SUBJECT – MATHEMATICS
MARKING SCHEME

1	b	1
2	a	1
3	b	1
4	c	1
5	d	1
6	b	1
7	c	1
8	d	1
9	a	1
10	b	1
11	a	1
12	b	1
13	b	1
14	c	1
15	a	1
16	$\frac{3 + 10}{12}$ $\frac{13}{12}$ <p style="text-align: center;">OT</p> <p>0.0875</p>	<p>1</p> <p>1</p> <p>2</p>
17	$x=90^{\circ}-x$ $x=45^{\circ}$ <p style="text-align: center;">OR</p> $x=180^{\circ}-x$ $x=90^{\circ}$	<p>1</p> <p>1</p> <p>1</p> <p>1</p>
18	$500-10x$	2
19	(a) $5^2 \times 7^3$ (b) $a^3 \times c^4 \times d$	1
20	(i) Circle (ii) Square	1
21	<p>Area of triangle=$\frac{1}{2} \times \text{base} \times \text{height}$</p> $=\frac{1}{2} \times 5 \times 12$ <p>=30 sq. cm.</p>	<p>1</p> <p>1</p> <p>1</p>

22	(i) 1	1.5
	(ii) $\frac{1}{5}$	1.5
	OR Correct presentation on number line	1.5+1.5
23	$\frac{12 \times 12 \times 12 \times 9 \times 9 \times 9 \times 4}{6 \times 6 \times 8 \times 8 \times 8 \times 9}$	1.5
	$= \frac{243}{8}$	1.5
24	(i) M,O	1
	(ii) B,C,K,O	1
	(iii) Q,P	1
	OR correct examples Correct figures	1.5
25	Correct oblique sketch	3
26	(i) $\angle 3$ and $\angle 5$, $\angle 2$ and $\angle 4$	1.5
	(ii) $\angle 2$ and $\angle 5$, $\angle 3$ and $\angle 4$	1.5
	(iii) Transversal	1
27	$15 - 4\frac{2}{3}$	1
	$= \frac{31}{3}$	1
	$\frac{31}{3} - \frac{3}{5} \text{ of } \frac{31}{3}$	1
	$= \frac{62}{15}$	1
28	r=21/2 Correct formula for rope in 1 round Length of rope in 2 rounds=132 m Cost of rope= Rs528	0.5
	OR Correct figure	1
	Radius of flower bed=33	1.5
	Radius of flower bed along with path=37	0.5
	Area of path=880 sq m	0.5
		2
29	(i) $9+4=13$	2

	(ii) $9-4+12=17$ OR $2a^2 + ab + 4b + 3$ $50-15-12+3=26$	2 2 2
30	Correct isometric sketch	4