

KENDRIYA VIDYALAYA, NDA, PUNE-23

ANSWER KEY FOR CLASS VIII HALF YEARLY EXAM 2018 MATHEMATICS MM- 80

QUESTION NUMBER	ANSWER	MARKS ALLOTTED
1	5	1
2	6/9 or 2/3	1
3	9/19	1
4	29/16	1
5	110 DEGREE	1
6	2025	1
7	MANY ANSWERS POSSIBLE	1 mark for finding L C M 1 FOR FINDING CORRECT NUMBER
8	10 SIDES	1 MARK FOR FORMULA USED 1 MARK FOR SOLUTION
9	12 YEARS	1 MARK FOR FORMING LINEAR EQUATION 1 MARK FOR SOLUTION
10	4356	1 MARK FOR FINDING L C M 1 MARK FOR FINDING NUMBER
11	50600	1 MARK FOR APPLYING PERCENTAGE CONCEPT. 1 MARK FOR SOLUTION.
12	FREQUENCY TABLE ALONG WITH TALLY MARKS NEEDED.	1 MARK FOR ARRANGEMENT 1 MARK FOR FREQUENCY TABLE
13	MANY WAYS POSSIBLE	1 MARK FOR EACH NUMBER LINE. TOTAL=3 MARKS
14	CONSTRUCTION STEPS NEEDED	2 MARKS FOR CONSTRUCTION STEPS 1 MARK FOR FIGURE DRAWN.
15	2646	1 MARK FOR FORMULA USED. 2 MARKS FOR SOLUTION.
16	30/13	1 MARK FOR ARRANGEMENT. 2 MARKS FOR SOLUTION.
17	95	1 MARK FOR FORMING LINEAR EQUATION. 2 MARKS FOR SOLUTION.
18	24	1.5 MARKS FOR EACH METHOD. TOTAL=3 MARKS.
19	$6 \times 21 \times 14 = 1764$	1 MARK FOR EQUATION FORMING. 2 MARKS FOR SOLUTION.
20	$N=70, I=110, G=110$	1 MARK EACH FOR 3 UNKNOWN ANGLES. TOTAL=3MARKS
21	(i) 4-5 hours (ii) 34 Students (iii) 14	1 1 1

22	(i) 79 (ii) 150	2 marks 2 marks
23	85 OR 58	1 MARK FOR DIGIT FORMATION 1 MARK FOR EQUATION FORMATION 1 MARK FOR SOLUTION.
24	45 ROWS	1 MARK FOR WRITING CORRECT INFORMATION 1 MARK FOR APPLYING SQUARE CONCEPT. 2 MARKS FOR SOLUTION
25	6	1 MARK FOR WRITING CORRECT INFORMATION. 1 MARK FOR FORMING EQUATION. 2 MARKS FOR SOLUTION.
26	Mother=43200 Elder daughter=7200 Younger daughter=21600	1 MARK FOR WRITING CORRECT INFORMATION. 1 MARK FOR FORMING EQUATION. 2 MARKS FOR SOLUTION.
27	Angle is 90 degree	1 MARK FOR DRAWING FIGURE. 1 MARK FOR LOCATING BISECTORS. 2 MARKS FOR SOLUTION.
28	Construction steps needed	2 MARKS FOR STEPS. 2 MARKS FOR FIGURE CONSTRUCTION.
29	(i) 40500 (ii) 605000	2 MARKS FOR SOLUTION OF EACH PART. TOTAL=4 MARKS.
30	(i) winter (ii) Summer=90 Sainy=120, winter=150	1 MARK FOR 1 ST PART 2 MARKS FOR 2 ND PART 1 MARK FOR 3 RD PART.
		TOTAL=80 MARKS