Name:	Grade:	Score:
	Worksheet #4	
MeandMath	ICATION - LINES, LINE SEGMENTS,	AND RAYS
segments, an	al: Students will distinguish b d rays, identify their properties d apply using mathematical vocabu	(endpoints, length,
	nd Rohan are setting up solar lam m the park entrance to the fountain.	
1. The 24-meter walk	way represents what geometric object?	
2. If lamps are placed	d every 4 meters, how many gaps are created	d?
3. Including both end	s, how many lamps are n <mark>eeded</mark> for 4-meter s	pacing?
4. Each lamp costs ₹6	0. What's the total cost for 7 lamps?	
ala and a strategy balance	entrance shines toward the fountain and be eam?	eyond. What geometric term
6. Two lamp posts sta	nd side by side without tilting. What's their ge	eometric relationship?
7. A lamp post stands	s upright to the walkway. What angle does it f	form?
8. If Priya reduces spo	acing to 3 meters, how many lamps are neede	ed?
9. Another walkway a	crosses the main path. What geometric term a	applies?
	in place lamp posts every 2 meters along t needed in total (including both ends)?	he 24-meter walkway, how

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Name:	Grade:	Score:	
	Worksheet #4 (Answers		
MeandMath APPLICATION - LINES, LINE SEGMENTS, AND RAYS			
segments, and	: Students will distinguish k rays, identify their properties pply using mathematical vocabu	(endpoints, length,	
Neighbors Priya and Rohan are setting up solar lamps along a straight 24- meter walkway from the park entrance to the fountain.			
1. The 24-meter walkway	y represents what geometric object? A line segment.		
2. If lamps are placed ev	very 4 meters, how many gaps are created $\frac{24}{4} = 6$ 6 gaps.	d?	
3. Including both ends, h	now many lamps are n <mark>eeded for 4-</mark> meter s 6+1=7 Lamps	spacing?	
4. Each lamp costs ₹60. 1 7 x ₹60 = ₹420	What's the total cost for 7 lamps?		
	trance shines toward the fountain and be n? A ray	eyond. What geometric term	
6. Two lamp posts stand Parallel lines.	side by side without tilting. What's their g	eometric relationship?	
	oright to the walkway. What angle does it)° Perpendicular	form?	
	ng to 3 meters, how many lamps are need = 8 → 8+1 = 9 Lamps	ed?	
9. Another walkway cros	ases the main path. What geometric term o	applies?	
10. If Priya and Rohan p many lamp posts are nee	place lamp posts every 2 meters along t added in total (including both ends)? $\frac{24}{2} = 1$	the 24-meter walkway, how 12 → 12+1 = 13 Lamp posts	

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