	Santa's Rout		
Name:	Date:	Sc	ore:
Use the distance chart and the map to help you ans	swer the following questi	ons.	
1. Santa Claus is in Cairo and still has eleven cities to wants to find the shortest route to follow starting at Ca Use the chart and map to help Santa find the shortest in	airo and stopping at all the	e other cities. It doesn't matter which city	•
2. What is the shortest route and the distance if Santa s	starts in Warsaw?		
3. Can you find another route that is even shorter if Sa	anta starts in a different ci	ry? What route and distance did you find	?

## Santa's Route Distance Chart

Name:	Date:	Score:

Cities	Cairo	Kolkata	Chicago	Lisbon	London	Manila	Moscow	Paris	Rome	Sydney	Tokyo	Warsaw
1. Cairo	miles	3,539	6,129	2,363	2,181	5,704	1,803	1,995	1,320	8,952	5,935	1,630
2. Kolkata	3,539	miles	7,980	5,638	4,947	2,203	3,321	4,883	4,482	5,685	3,194	4,048
3. Chicago	6,129	7,980	miles	3,990	3,950	8,143	4,974	4,134	4,808	9,272	6,299	4,667
4. Lisbon	2,363	5,638	3,990	miles	985	7,546	2,427	904	1,161	11,302	6,915	1,715
5. London	2,181	4,947	3,950	985	miles	6,672	1,555	213	887	10,564	5,940	899
6. Manila	5,704	2,203	8,143	7,546	6,672	miles	5,131	6,677	6,457	3,944	1,866	5,837
7. Moscow	1,803	3,321	4,974	2,427	1,555	5,131	miles	1,544	1,474	9,012	4,647	715
8. Paris	1,995	4,883	4,134	904	213	6,677	1,544	miles	697	10,544	6,034	849
9. Rome	1,320	4,482	4,808	1,161	887	6,457	1,474	697	miles	10,136	6,135	817
10. Sydney	8,952	5,685	9,272	11,302	10,564	3,944	9,012	10,544	10,136	miles	4,866	9,696
11. Tokyo	5,935	3,194	6,299	6,915	5,940	1,866	4,647	6,034	6,135	4,866	miles	5,249
12. Warsaw	1,630	4,048	4,667	1,715	899	5,837	715	849	817	9,696	5,249	miles

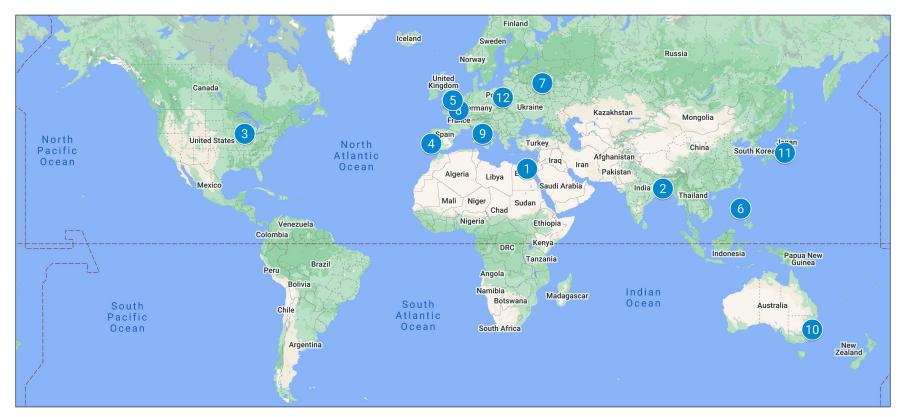
To find a distance from one city to another, find where the row of the first city intersects the column of the second city or vice-versa. Each pair of cities can be found twice on the chart.

For example, to find the distance from Rome to Chicago, find Rome's row and follow it to the right until it intersects Chicago's column. You could also start with Chicago's row and follow it until it intersects with Rome's column. The distance from Rome to Chicago is highlighted in light red in the chart in both places it can be found.

## Merry Christmas from Math-Drills.com!

Santa's Route M	lap
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Name:	Date:	Score:
Name:	Date:	Score:



Source: Google My Maps, Map data ©2021 Google

## View this map on Google My Maps

If you have a Google account, you can copy the map into your account then draw in a route using the draw a line tool.

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Santa's Route Answers						
Name:	Date:	Score:				
Use the distance chart and the map t	o help you answer the following questions.					
wants to find the shortest route to follo		er a break. The reindeer are already tired, so Santa cities. It doesn't matter which city is the final stop. bund?				
The shortest route is: Cairo, Moscow, miles.	Warsaw, Rome, Paris, London, Lisbon, Chicago,	Tokyo, Kolkata, Manila, Sydney, a total of 24,860				
Google My Maps Answer						
2. What is the shortest route and the di	stance if Santa starts in Warsaw?					
The shortest route is: Warsaw, Moscov miles.	v, Chicago, Lisbon, London, Paris, Rome, Cairo,	, Kolkata, Manila, Tokyo, Sydney, a total of 25,368				
Google My Maps Answer						
3. Can you find another route that is ex	en shorter if Santa starts in a different city? Wha	at route and distance did you find?				
The shortest route is: Chicago, Lisbor direction, a total of 21,694 miles.	n, London, Paris, Rome, Warsaw, Moscow, Cair	o, Kolkata, Manila, Tokyo, Sydney or the reverse				
Google My Maps Answer						

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