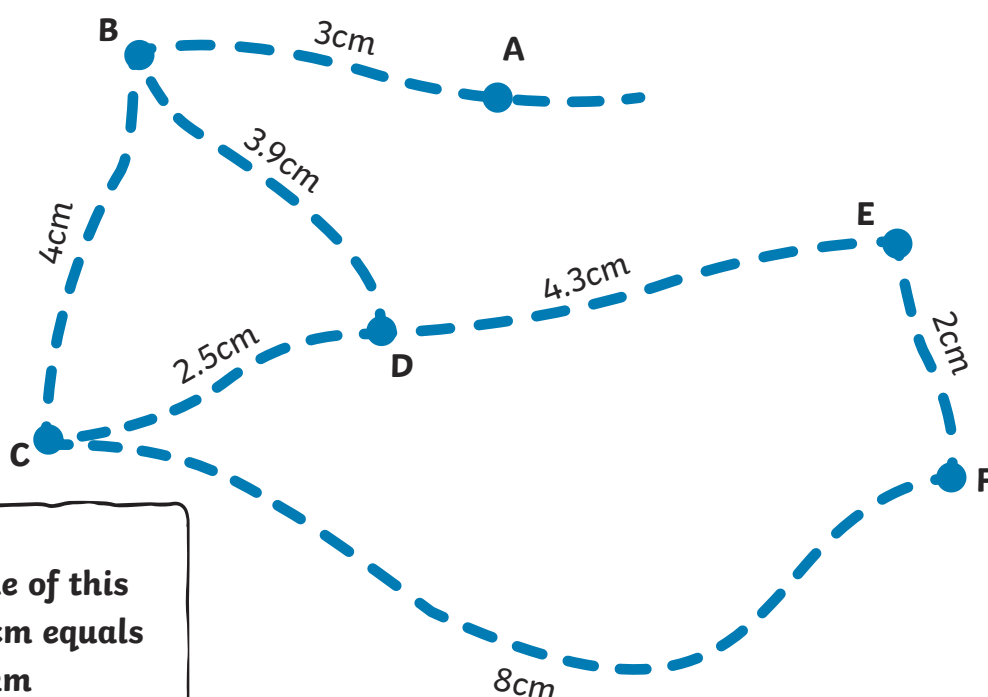


Using Scale to Measure Distance



Task 1



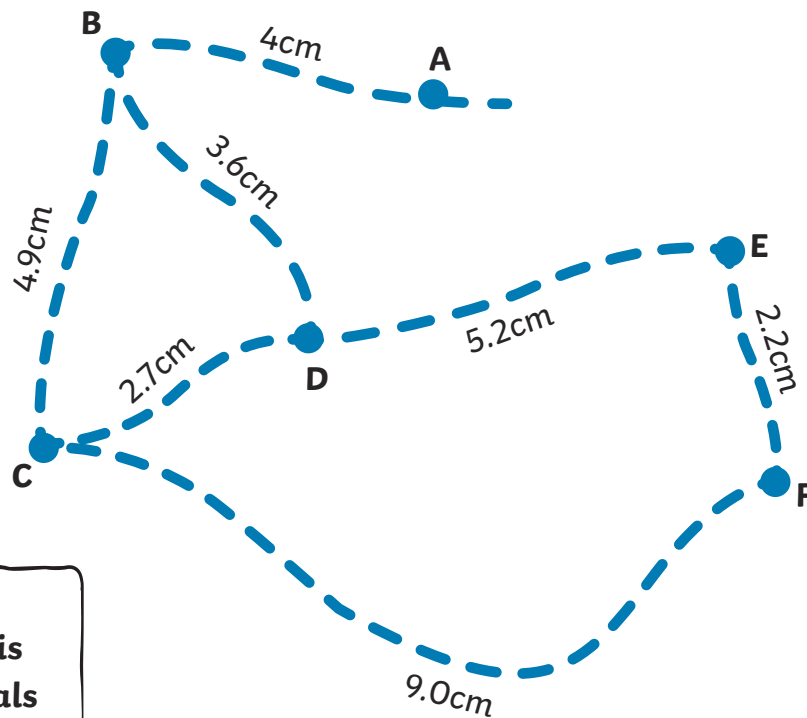
The scale of this map is 1cm equals 1km

1	How far in km is A from C? (via B)	
2	What is the distance between C and E, via D?	
3	What is the distance from A to C, via D?	
4	How much further is it to travel from A to C without passing through D?	
5	What is the distance from A to F, via only B, D and E?	
6	Work out 3 other routes from A to F and their distances in km.	





Task 2



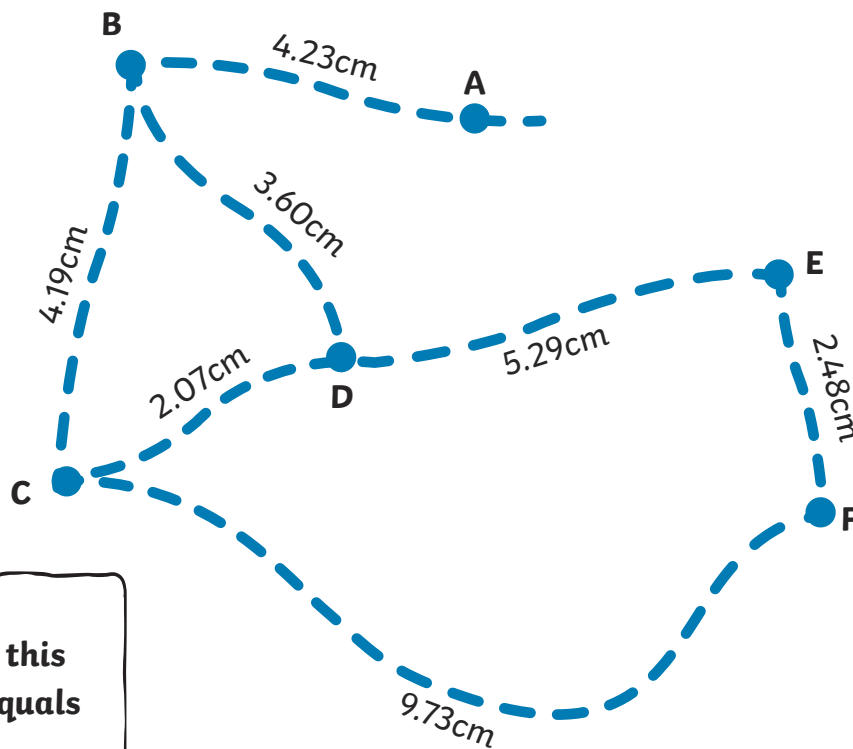
The scale of this map is 1cm equals 2km

1	How far in km is A from C? (via B)	
2	What is the distance between C and E, via D?	
3	What is the distance from A to C, via D?	
4	How shorter is it to travel from A to C without passing through D?	
5	What is the distance from A to F, via only B, D and E?	
6	Work out 3 other routes from A to F and their distances in km.	





Task 3



The scale of this map is 1cm equals 5km

1	How far in km is A from C? (via B)	
2	What is the distance between C and E, via D?	
3	What is the distance from A to C, via D?	
4	How shorter is it to travel from A to C without passing through D?	
5	What is the distance from A to F, via only B, D and E?	
6	Work out 3 other routes from A to F and their distances in km.	



Using Scale to Measure Distance - Answers



Task 1 (1cm = 1km)

1	How far in km is A from C? (via B)	7km
2	What is the distance between C and E, via D?	6.8km
3	What is the distance from A to C, via D?	9.4km
4	How much further is it to travel from A to C without passing through D?	2.4km
5	What is the distance from A to F, via only B, D and E?	13.2km
6	Work out 3 other routes from A to F and their distances in km.	A-B-C-D-E-F = 15.8km A-B-C-F = 15km A-B-D-C-F = 17.4km

Task 2 (1cm = 2km)

1	How far in km is A from C? (via B)	17.8km
2	What is the distance between C and E, via D?	15.8km
3	What is the distance from A to C, via D?	20.6km
4	How shorter is it to travel from A to C without passing through D?	2.8km
5	What is the distance from A to F, via only B, D and E?	30km
6	Work out 3 other routes from A to F and their distances in km.	A-B-C-D-E-F = 38km A-B-C-F = 35.8km A-B-D-C-F = 38.6km

Task 3 (1cm = 5km)

1	How far in km is A from C? (via B)	42.1km
2	What is the distance between C and E, via D?	36.8km
3	What is the distance from A to C, via D?	49.5km
4	How shorter is it to travel from A to C without passing through D?	7.4km
5	What is the distance from A to F, via only B, D and E?	78km
6	Work out 3 other routes from A to F and their distances in km.	A-B-C-D-E-F = 91.3km A-B-C-F = 90.75km A-B-D-C-F = 98.15km