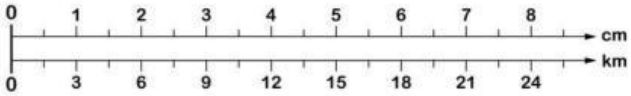
Map Scales

Section A *Double Number Lines*

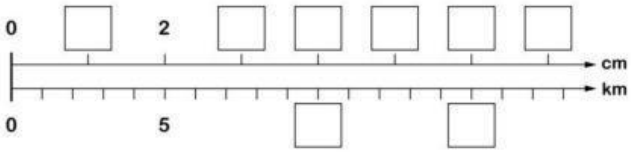
1) The double number line below shows that 1 cm on a map is equal to 3 km in real life.
Use the double number line to answer the questions.



a) 2 cm = _____ km b) 4 cm = _____ km c) 7 cm = _____ km d) 3.5 cm = _____ km

e) _____ cm = 15 km f) _____ cm = 18 km g) _____ cm = 19.5 km h) _____ cm = 30 km

2) a) Complete the double number line so that it shows the scale 2 cm = 5 km.



b) Use the double number line to answer the questions.

6 cm = ____ km 1 cm = ____ km ____ cm = 10 km ____ cm = 1 km ____ cm = 25 km

Section B *Using Map Scales*

1) A map has a scale 1 cm = 20 km.
What distances are represented by the following lengths on the map?

a) 5 cm = _____ km b) 10 cm = _____ km c) 17 cm = _____ km d) 2.4 cm = _____ km

2) The scale of a map is 1 cm : 10 miles. Find the actual distance between Saeed and Hazza given they are 2cm apart.

3) The scale of the map below is 1 cm : 14 miles. Find the actual distance between Abdulla and Saif given they are 3.5cm apart.

BONUS

4) The scale of the map below is 2 cm : 21 km. Find the actual distance between Mohamed and Omar given they are 0.5cm apart.