

## Map Scale Exercises

[1] What is map scale?

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[2] Name the three ways map scale can be illustrated on a map.

- (a) \_\_\_\_\_
- (b) \_\_\_\_\_
- (c) \_\_\_\_\_

[3] Explain what the representative fraction **RF**  $\rightarrow$  **1 : 150,000** means.

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[4] Use the scale of **1 cm represents 100 km** to find the distance between **A** and **B**.

(a)  Answer: \_\_\_\_\_

(b)  Answer: \_\_\_\_\_

(c)  Answer: \_\_\_\_\_

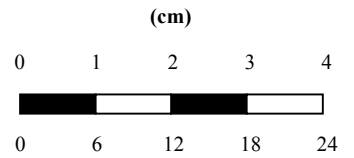
[5] Use the scale of **RF** → **1 : 250,000** to find the distance between **C** and **D**.

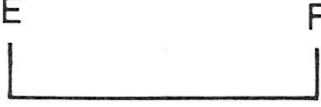
(a)  Answer: \_\_\_\_\_

(b)  Answer: \_\_\_\_\_

(c)  Answer: \_\_\_\_\_

[6] Use the scale to the right to find the distance between **E** and **F**.



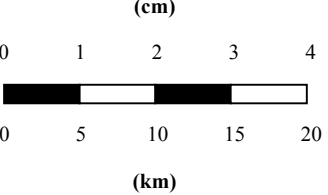
(a)  Answer: \_\_\_\_\_

(b)  Answer: \_\_\_\_\_

(c)  Answer: \_\_\_\_\_

[7] Change the following scales to direct statements.

(a) **RF** → **1 : 1,500,000** Answer: \_\_\_\_\_

(b)  Answer: \_\_\_\_\_

[8] Draw a linear scale to show each of the following scales.

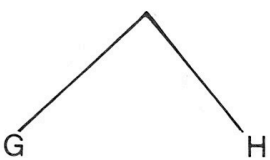
(a) **1cm represents 12km**

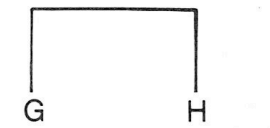
(b) **RF  $\rightarrow$  1 : 50,000**


(c) **RF  $\rightarrow$  1 : 6,000,000**

(d) **RF  $\rightarrow$  1 : 250,000**

[9] Use the scale of **RF  $\rightarrow$  1 : 30,000** to find the distance between towns **G** and **H**.

(a)  Answer: \_\_\_\_\_

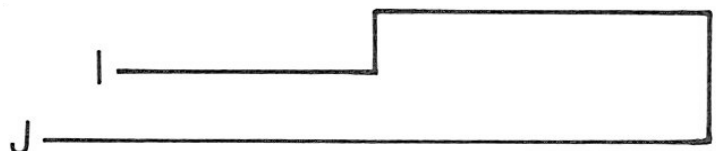
(b)  Answer: \_\_\_\_\_

(c)  Answer: \_\_\_\_\_

[10] Using the following scales calculate the distance from **I** to **J** along the line.

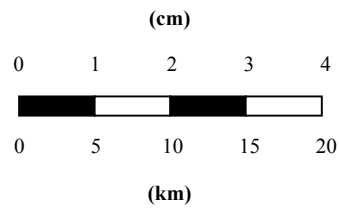
(a) **1cm represents 1km**

(b) **RF  $\rightarrow$  1 : 12,500,000**



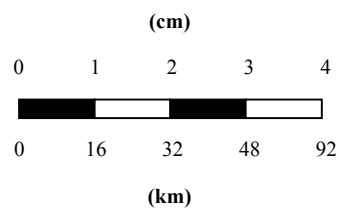
[11] Change the following linear scales to representative fractions

(a)



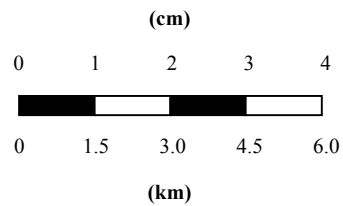
Answer: \_\_\_\_\_

(b)



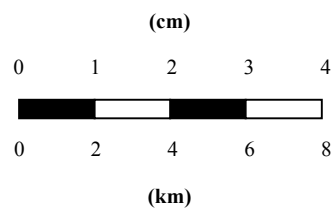
Answer: \_\_\_\_\_

(c)



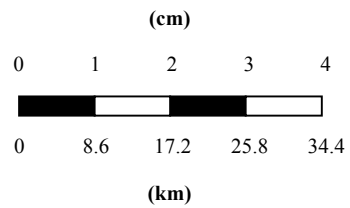
Answer: \_\_\_\_\_

(d)



Answer: \_\_\_\_\_

(e)



Answer: \_\_\_\_\_

[12a] Convert the linear scale to a representative fraction. \_\_\_\_\_

[12b] Convert the line scale to a direct statement. \_\_\_\_\_

[12c] What is the distance from:

(a)	<b>A to B?</b>	_____
(b)	<b>B to C?</b>	_____
(c)	<b>C to D?</b>	_____
(d)	<b>D to E?</b>	_____
(e)	<b>E to F?</b>	_____
(f)	<b>A to F?</b>	_____

