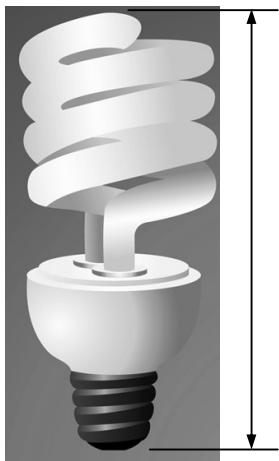


Scale Drawing

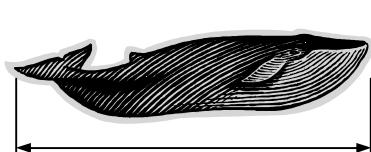
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Measure the lengths in mm, using the arrowed length. Write the length in the 'image' box below. Apply the scale to find the actual length. Multiply by the second number in the ratio, divide by the first.

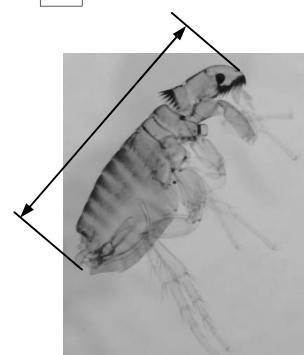
1 Scale = 1 : 2



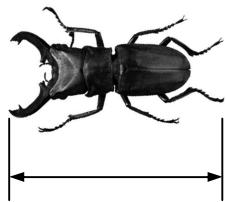
2 Scale = 1 : 660



3 Scale = 9 : 1



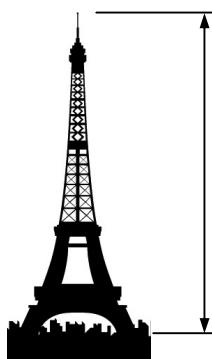
4 Scale = 3 : 2



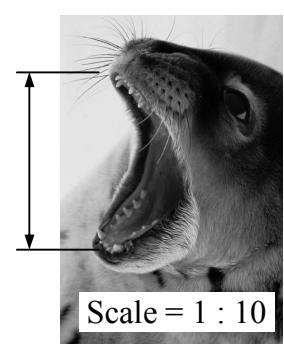
5 Scale = 5 : 3



6 Scale = 1 : 7 200



7

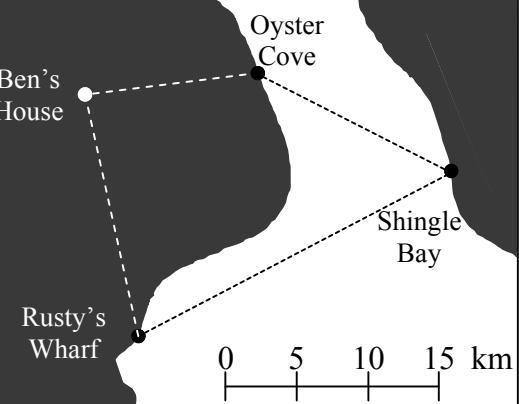


Scale = 1 : 10

Q	Image Length (mm)	Actual Length (mm)
1		
2		mm = m
3		
4		
5		mm = cm
6		mm = m
7		mm = cm

Ben drove from Rusty's Wharf to Oyster Cove, while Tim caught the ferry. Use the scale to answer these questions.

Key: Ferry: ----- Car: -----



Find the distance in km between:

8 Rusty's Wharf and Shingle Bay _____

9 Shingle Bay and Oyster Cove _____

10 Rusty's Wharf and Ben's House _____

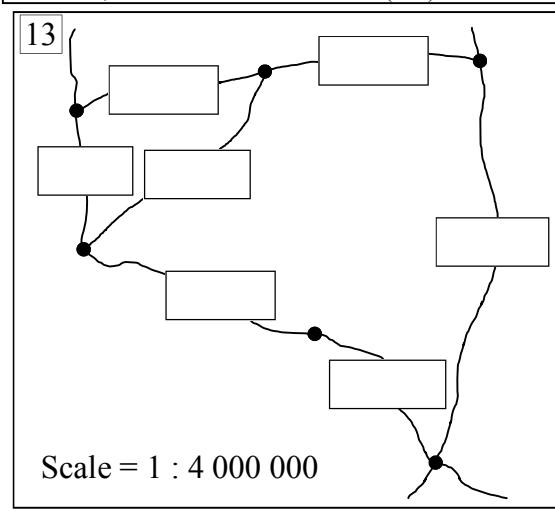
11 Ben's house and Oyster Cove _____

12 The ferry averages 20 km/h (5 km in 15 min), and it stops at all wharves for 10 min. Complete the time table below.

Location	Arrives	Departs
Rusty's Wharf	12.25 pm.	
Shingle Bay		
Oyster Cove		

Measure straight lengths in mm (ignore curves). Use the scale, then write the distances (km) in the boxes.

13

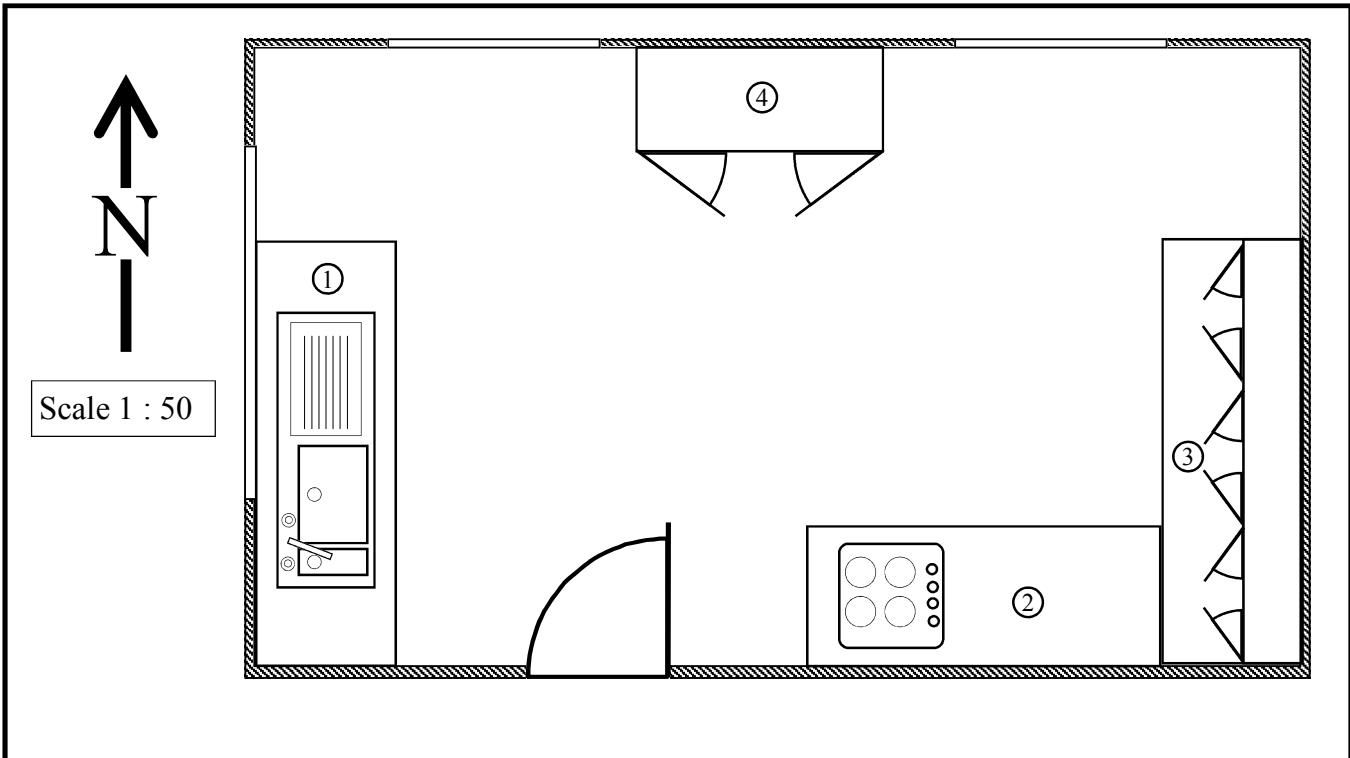


Scale = 1 : 4 000 000

mm → m → km = 1 000 ÷ 1 000

Scale Diagrams - Construction Plan Views

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Get out your ruler and measure lengths in cm, to the nearest 0.5 cm. Then use the scale to find the actual length and answer the questions. Round to 2 d.p.

1 The length of the eastern wall (in m). _____

2 The length of the northern wall (in m). _____

3 The floor area (empty)
of the room (m^2).
$$A = lb$$

$$= \boxed{} \times \boxed{}$$

Length = $\boxed{}$ m Breadth = $\boxed{}$ m $A = \boxed{}$ m^2

4 The length, breadth and floor area of the pantry ④

Length = $\boxed{}$ m _____
Breadth = $\boxed{}$ m _____

5 The length, breadth and floor area of the sink bench ①

Length = $\boxed{}$ m _____
Breadth = $\boxed{}$ m _____

6 The length, breadth and floor area of the cook-top
bench ②

Length = $\boxed{}$ m _____
Breadth = $\boxed{}$ m _____

7 The length, breadth and floor area of the cupboards ③

Length = $\boxed{}$ m _____

Breadth = $\boxed{}$ m _____

8 Find the total covered floor area. = ① + ② + ③ + ④

9 Find the total uncovered floor area.

10 Estimate the cost of tiling the uncovered floor area
when tiles cost \$35/ m^2 . Available in whole m^2 only.

11 If the pantry ④ is 2 m tall, calculate the wall area it
occupies.

Height = $\boxed{}$ m _____

Width = $\boxed{}$ m _____

12 There are three windows in the plan, if they are all
1.2 m high, find the total window area in the room.

Sink Window Northern Wall Windows

_____ Total _____