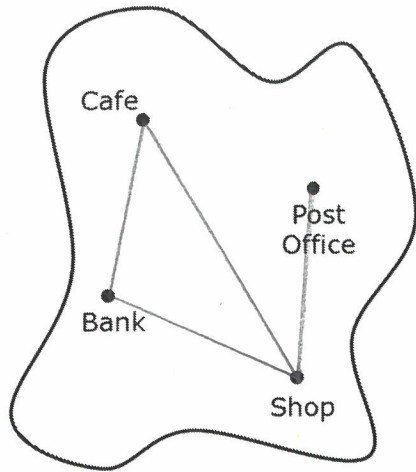


Scale Diagrams

Scale **1 cm : 100 m**



(a)

Donna walks from the shop to the post office. How far has she walked?

$$2.5\text{cm} \Rightarrow 250\text{m}$$

(b)

Adil cycles from the café to the shop. How far has he cycled?

$$4\text{cm} \Rightarrow 400\text{m}$$

(c)

Yusuf lives 700 m from the café. How far would this be on the map?

$$7\text{cm}$$

(d)

Mercy walks from the café to the bank, then to the shop. How far has she walked in total?

$$2.4\text{cm} + 2.7\text{cm} = 5.1\text{cm}$$

$$510\text{m}$$

(e)

Otis lives 1.2 km from the bank. How far would this be on the map?

$$12\text{cm}$$

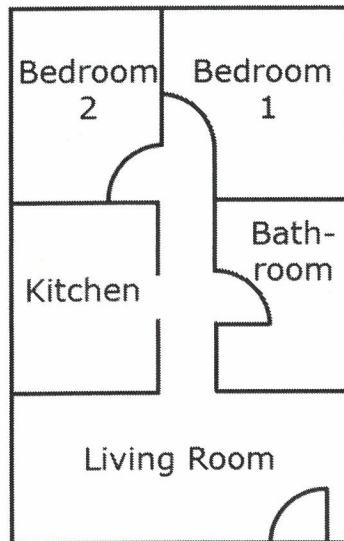
(f)

Teresa lives 300 m from the shop. She walks to the shop, then the bank, then back to the shop, then home. How far has she travelled?

$$\text{Bank to Shop } 270\text{m}$$

$$1140\text{m} \Rightarrow 1.14\text{km}$$

Scale **1 cm : 2 m**



(g)

What is the actual width of the living room?

$$4.4\text{cm} \Rightarrow 8.8\text{m}$$

(h)

What is the width of the bathroom door in real-life?

$$0.7\text{cm} \Rightarrow 1.4\text{m}$$

(i)

The actual width of the living room window is 1 metre. What would this width measure on the scale diagram?

$$0.5\text{cm}$$

(j)

Find the real-life dimensions of bedroom 2.

$$2.1\text{cm by } 2.6\text{cm}$$

$$4.2\text{m by } 5.2\text{m}$$

(k)

Find the actual area of the kitchen floor.

$$1.9\text{cm} \times 2.5\text{cm}$$

$$3.8\text{m} \times 5\text{m}$$

$$= 19\text{m}^2$$

(l)

A bed measures 120 cm by 200 cm. What measurements would the bed have on the scale diagram?

$$1.2\text{m by } 2\text{m}$$

$$0.6\text{cm by } 1\text{cm}$$