

Interpreting Map Scales

(a)	(b)	(c)	(d)
A drawing has a scale of $1\text{ cm} : 2\text{ m}$	A street map has a scale of $1\text{ cm} : 20\text{ m}$	A regional map has a scale of $1\text{ cm} : 8\text{ km}$	A map has a scale of $3\text{ cm} : 10\text{ miles}$
(i) What distance does 5 cm represent in real-life? 10 m	(i) What distance does 3 cm represent in real-life? 60 m	(i) What distance does 6 cm represent in real-life? 48 km	(i) What distance does 12 cm represent in real-life? 40 miles
(ii) What distance does 13 cm represent in real-life? 26 m	(ii) What distance does 8 cm represent in real-life? 160 m	(ii) What distance does 15 cm represent in real-life? 120 km	(ii) What distance does 7.5 cm represent in real-life? 25 miles
(iii) What distance does 8.5 cm represent in real-life? 17 m	(iii) What distance does 4.5 cm represent in real-life? 90 m	(iii) What distance does 6.4 cm represent in real-life? 51.2 km	(iii) What distance does 9.3 cm represent in real-life? 31 miles
(iv) What distance on the drawing represents 24 m in real-life? 12 cm	(iv) What distance on the map represents 120 m in real-life? 6 cm	(iv) What distance on the map represents 32 km in real-life? 4 cm	(iv) What distance on the map represents 20 miles in real-life? 6 cm
(v) What distance on the drawing represents 7 m in real-life? 3.5 cm	(v) What distance on the map represents 10 m in real-life? 0.5 cm	(v) What distance on the map represents 68 km in real-life? 8.5 cm	(v) What distance on the map represents 50 miles in real-life? 15 cm
(vi) What distance on the drawing represents 10.5 m in real-life? 6.25 cm	(vi) What distance on the map represents 65 m in real-life? 3.25 cm	(vi) What distance on the map represents 130 km in real-life? 16.25 cm	(vi) What distance on the map represents 72 miles in real-life? 21.6 cm