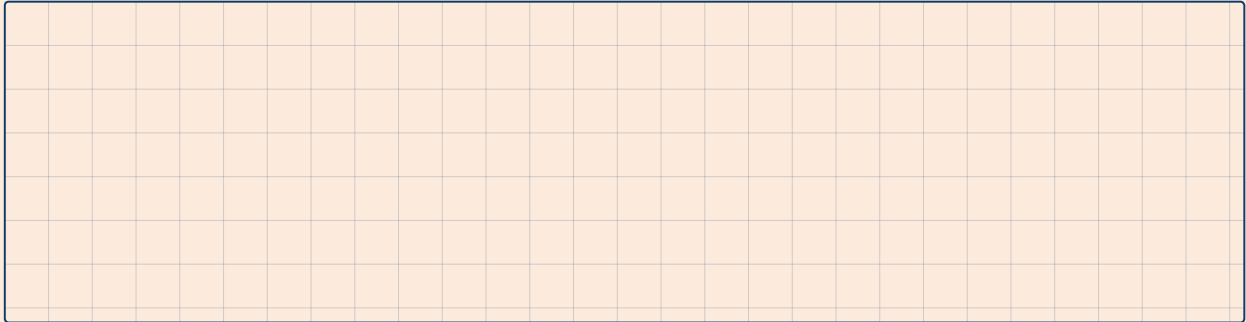


USING THE SCALE TO FIND REAL DISTANCE

- 1 Measure the distance on the map in centimetres.
- 2 Multiply that number by 2 because each centimetre stands for 2 km.
- 3 Write the answer in kilometres.

WARM-UP

Use the squared space to set out each calculation with the given numbers.



1. Write the map distance and real distance for 3 cm using the scale $1 \text{ cm} = 2 \text{ km}$
2. Set out the working for 4.5 cm and 7.5 cm to find the real kilometres
3. Work out how many cm on the map for a real journey of 15 km

PRACTICE

- 1 On a map of County Cork with scale $1 \text{ cm} = 2 \text{ km}$, two towns are 3 cm apart. How far apart are they really? _____
- 2 The distance from Dublin to a village in Wicklow measures 2 cm on the map where $1 \text{ cm} = 2 \text{ km}$. What is the real distance? _____
- 3 A road between two places in Galway is shown as 4 cm long on the scale map of $1 \text{ cm} = 2 \text{ km}$. How many kilometres is that? _____
- 4 On an Irish coast map with scale $1 \text{ cm} = 2 \text{ km}$, the school-to-pitch route measures 4.5 cm . What is the real distance in km? _____

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. If the map distance is 5 cm and the scale is $1 \text{ cm} = 2 \text{ km}$, the real distance is 10 km. ☐
- b. On a $1 \text{ cm} = 2 \text{ km}$ map, you divide the map distance by 2 to get the real distance. ☐
- c. On a $1 \text{ cm} = 2 \text{ km}$ map, 1 cm stands for 2 km on the ground. ☐
- d. A distance measured on a $1 \text{ cm} = 2 \text{ km}$ map gives a whole number of kilometres. ☐

IRISH FACT

The longest river

The River Shannon flows for about **360 km** — the longest river in Ireland or Britain.

Office of Public Works

