

Scales on plans and maps are shown in these two ways.

<i>Examples</i>	Using units	As a ratio
	1 cm represents 1 m	1 : 100
	1 cm represents 1 km	1 : 100 000

Write each scale as ratio.

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|---|----------------------|-------|---|-----------------------|-------|
| 1 | 1 mm represents 2 cm | | 5 | 1 cm represents 300 m | |
| 2 | 1 cm represents 4 km | | 6 | 1 mm represents 1 cm | |
| 3 | 1 mm represents 1 m | | 7 | 1 cm represents 25 m | |
| 4 | 1 cm represents 5 m | | 8 | 1 mm represents 0.8 m | |

Use the scale to work out the length represented by each line.

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|----|----------------|-------|-------|----|
| 9 | 1 : 100 000 | _____ | | km |
| 10 | 1 : 40 | _____ | | m |
| 11 | 1 : 5000 | _____ | | m |
| 12 | 1 : 200 | _____ | | m |
| 13 | 1 : 25 000 | _____ | | km |
| 14 | 1 : 10 000 000 | _____ | | km |

Give the scale for each line as a ratio.

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|----|-------|--------|-------|
| 15 | _____ | 6.4 m | |
| 16 | _____ | 8 km | |
| 17 | _____ | 200 m | |
| 18 | _____ | 450 km | |
| 19 | _____ | 20 m | |
| 20 | _____ | 1.2 km | |