

Code Breaker: Map Scales *ANSWERS*

The Maths Habit

CRACK THE CODE

Use the scale on each tile to change between map and real distances. Give your answer in the unit the tile asks for. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1 1 cm represents 5 km map 7 cm real ? km H	2 1 cm represents 2 km map 4.5 cm real ? km S	3 1 cm represents 50 m map 6 cm real ? m H	4 1 cm represents 4 km real 28 km map ? cm T
5 1 cm represents 25 m real 400 m map ? cm E	6 scale 1 : 50 000 map 6 cm real ? km P	7 scale 1 : 25 000 map 8 cm real ? km H	8 scale 1 : 200 real 13 m plan ? cm S
9 scale 1 : 20 000 real 3 km map ? cm E	10 4 cm represents 10 km 1 cm represents ? km U	11 2 cm represents 1 km scale 1 : ? N	12 6 cm represents 15 km 10 cm represents ? km A
13 scale 1 : 500 plan 8 cm real ? m E	YOUR LETTERS H S H T E P H S E U N A E UNSCRAMBLE Clue: a woolly film star (5, 3, 5) <u>SHAUN THE SHEEP</u>		

CODE BOX

0.4 = C	1.4 = R
2 = H	2.5 = U
3 = P	6.5 = S
7 = T	9 = S
15 = E	16 = E
19 = O	20 = K
25 = A	35 = H
40 = E	112 = D
300 = H	500 = L
3000 = M	50000 = N



Code Breaker: Map Scales *ANSWERS*

The Maths Habit

CRACK THE CODE

Use the scale on each tile to change between map and real distances. Give your answer in the unit the tile asks for. Look your answer up in the **Code Box** and write the letter it unlocks in the white box. Collect all thirteen letters in the strip, then unscramble them to find the answer.

13 CLUES



1 1 cm represents 5 km map 7 cm real ? km H	2 1 cm represents 2 km map 4.5 cm real ? km S	3 1 cm represents 50 m map 6 cm real ? m H	4 1 cm represents 4 km real 28 km map ? cm T
5 1 cm represents 25 m real 400 m map ? cm E	6 scale 1 : 50 000 map 6 cm real ? km P	7 scale 1 : 25 000 map 8 cm real ? km H	8 scale 1 : 200 real 13 m plan ? cm S
9 scale 1 : 20 000 real 3 km map ? cm E	10 4 cm represents 10 km 1 cm represents ? km U	11 2 cm represents 1 km scale 1 : ? N	12 6 cm represents 15 km 10 cm represents ? km A
13 scale 1 : 500 plan 8 cm real ? m E	YOUR LETTERS H S H T E P H S E U N A E UNSCRAMBLE Clue: a woolly film star (5, 3, 5) <u>SHAUN THE SHEEP</u>		

CODE BOX

0.4 = C	1.4 = R
2 = H	2.5 = U
3 = P	6.5 = S
7 = T	9 = S
15 = E	16 = E
19 = O	20 = K
25 = A	35 = H
40 = E	112 = D
300 = H	500 = L
3000 = M	50000 = N

