

Scale Drawing etc Codebreaker - Answers

A	B	C	D	E	F	G	H	I	J	K	L	M
5 000 000	5000	8 000 000	180	340	50	18	24	40	80	0.005	0.56	0.05
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
4	0.5	34	5.6	1800	500	56	500	3400	18000	400	1080	560

Answer the questions on scale below, link your answers to the table above to reveal how much I sold my Harry Potter biscuits for:

A road is 28 kilometres long. How long, in centimetres, is the road on a map using a scale of 1 centimetre to 5 kilometres?	The mouth of a river is 3.5 kilometres wide. A map shows the mouth of the river as 7 centimetres wide. What does 1 centimetre represent on the map in metres?	A monument is 60 metres tall. A model is made of the monument using the scale 1: 150. How tall is the model in centimetres?	A model of a sports stadium is 108 centimetres long using a scale of 3: 500. How many metres long is the real stadium?
5.6	500	40	180
Q	U	I	D
A map of Europe uses a scale of 1: 10 000 000. On the map two cities are 3.4cm apart on the map. How far apart are the cities in kilometres?	Two ports are 480km apart in real life. On a map the ports are 9.6cm apart. The ratio is 1: n. Find n.	Frieda drove 180km in her car. The journey measured 2.25cm on her map. The scale of the map is in the form 1: n. Find n.	Yasmin made a model of an aeroplane using the scale 1: 72; Yasmin's model was 15cm long. Zoe made a model of the same aeroplane using the scale 1: 45. How long was Zoe's model in centimetres?
340	5 000 000	8 000 000	24
E	A	C	H