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If the Earth's radius is 6,371 km and your model is 64 cm across (radius 32 cm)...

Problem	Answer	Problem	Answer
1. Scale: 1 cm = ? km		4. Outer core thickness (2,259 km)	
2. Continental crust (35 km) in the model		5. Inner core radius (1,221 km)	
3. Mantle bottom (2,891 km) from the surface			

Answer key – Build a scale model of the Earth

#	Problem	Answer
1	Scale: 1 cm = ? km	about 200 km
2	Continental crust (35 km) in the model	about 0.18 cm (under 2 mm)
3	Mantle bottom (2,891 km) from the surface	about 14.5 cm
4	Outer core thickness (2,259 km)	about 11.3 cm
5	Inner core radius (1,221 km)	about 6.1 cm

Notes