

Layers of the Earth : Part-Whole Comparisons

Name: _____

Directions: use the data table for the average thickness, to find the percent thickness of each layer.



Average Thickness of the Layers of Earth <i>https://pubs.usgs.gov/gip/interior/</i>	
Crust	30 Kilometers
Mantle	2,891 Kilometers
Outer Core	2,259 Kilometers
Inner Core	1,221 Kilometers
Total	_____ Kilometers

Crust _____%

Find the % of total thickness of Earth		
	=	

Outer Core _____%

Find the % of total thickness of Earth		
	=	

Mantle _____%

Find the % of total thickness of Earth		
	=	

Inner Core _____%

Find the % of total thickness of Earth		
	=	

Percent means
"per 100"

$$\frac{\text{part}}{\text{whole}} = \frac{\%}{100}$$

Layers of the Earth : Part-Whole Comparisons

Name: Answer Key

Directions: use the data table for the average thickness, to find the percent thickness of each layer. Round to the nearest hundredth.



Average Thickness of the Layers of Earth <small>https://pubs.usgs.gov/gip/interior/</small>	
Crust	30 Kilometers
Mantle	2,891 Kilometers
Outer Core	2,259 Kilometers
Inner Core	1,221 Kilometers
Total	_____ Kilometers

Crust 0.47 %

Find the % of total thickness of Earth		
30 km	=	0.468...
6,401 km		100

Outer Core 35.29 %

Find the % of total thickness of Earth		
2,259 km	=	
6,401 km		100

Mantle 45.16 %

Find the % of total thickness of Earth		
2,891 km	=	45.164...
6,401 km		100

Inner Core 19.08 %

Find the % of total thickness of Earth		
1,221 km	=	19.075...
6,401 km		100

Percent means
"per 100"

$$\frac{\text{part}}{\text{whole}} = \frac{\%}{100}$$