I'm Not Dense About Density!

1) 128 km =____ cm

	3) 4324 mg =	Kg	4) 23 dm =	Km
	5) 1,589 DL =	mL	6) 389 ml =	L
	DENSITY PROBLEMS	3: Use the inform	nation given to solve for	the unknown value:
Q #	Answers are in parenthesis,	but do not have u	nits! You must show your	work and include units!
7	What is the equation for density?			
8	If an object weighs 34.8-grams and has a volume of 22.8-mL, what is this objects density? (1.53)			
9	A 150.0-mL balloon has 3.3-g of helium inside of it, what is the density of the helium? (0.022)			
10	What is the density of an unknown metal weighing 120.0-g and taking up 58.3-cm ³ of space? (2.06)			
11	Define Density in words, not an equation.			
12	Most of the buildings on the Indiana University campus are made of limestone. Limestone has a density of 2.72 g/cm ³ . What is the mass of a 24.9 cm ³ block of limestone? (67.7)			
13	Find the <u>volume</u> of a liquid which has a density of 1.85-g/mL and 'weighs' 5.56 g. (3.01)			
14	Find the <u>mass</u> of 3.8-mL mercury in a thermometer. The density of Hg is 13.5-g/cm ³ (51)			
15	What is the volume of a piece of tungsten if its density is 19.3-g/mL and the mass of the tungsten is 0.2305-kg? (11.9)			
N	1) 128 km = 3) 4324 mg =	cm	umbers from one unit to 2) 327 m = 4) 23 dm =	Hm
	5) 1,589 DL =		6) 389 ml =	
	DENSITY PROBLEMS	3 : Use the inforr	mation given to solve for	the unknown value:
Q #	Answers are in parenthesis,		units! You must show your	work and include units!
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14	I Hind the mass of 3 & ml mor	<u>``</u>		9 , ,
15	What is the volume of a piece 0.2305-kg? (11.9)	cury in a thermon	neter. The density of Hg is	s 13.5-g/cm ³ (51)

METRIC PRACTICE: Convert the following numbers from one unit to the other:

2) 327 m =____Hm