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^	The values of a miner of brace is 16.2 cm ³		
9	The volume of a piece of brass is 16.3 cm ³ .		
	A student measures its mass using an electronic balance.		
	The mass of the brass is 138 g.		
	(a) (i) State the equation linking density, mass and volume.	(1)	
		(-)	
	(ii) Calculate the density of brass.		
	Give the unit.	(3)	
	density = unit unit		
	(b) The student notices that the electronic balance has a zero error, so it shows mass readings that are all slightly too small.		
	This means that the density value is	(4)	
		(1)	
	A incorrect and slightly too large		
	■ B incorrect and slightly too small		
	C correct because the student used three significant figures		
	D correct because the mass of the block is more than zero		
	(Total for Question 9 = 5 marks)		