	MEASURING DENSITY-SET-2					
1	What apparatus is needed to determine the density of a regularly-shaped block?					
	A a balance and a ruler					
	<b>B</b> a balance and a forcemeter (spring balance)					
	C a measuring cylinder and a ruler					
	D a measuring cylinder and a beaker					
MS-1	A					
2	Which of the following is a unit of density?					
	A cm <sup>3</sup> /g					
	B g/cm <sup>2</sup>					
	C g/cm <sup>3</sup>					
MS-2	D kg/m <sup>2</sup>					
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3	The masses of a measuring cylinder before and after pouring some liquid into it are shown in the diagram.					
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
MS-3	В					

4	A person measures the length, width, height and mass of a rectangular metal block.					
	Which of these measurements are needed in order to calculate the density of the metal?					
	A mass only					
	B height and mass only					
	C length, width and height only					
	<b>D</b> length, width, height and mass					
MS-4	D					
5	Each of the solids shown in the diagram has the same mass.					
	Which solid has the greatest density?					
	A B C D					
	2 cm 2 cm 2 cm 2 cm 2 cm 2 cm					
MS-5	В					
6	A stone has a volume of 0.50 cm <sup>3</sup> and a mass of 2.0 g.					
	What is the density of the stone?					
	<b>A</b> $0.25 \mathrm{g/cm^3}$					
	B 1.5g/cm <sup>3</sup>					
	C 2.5g/cm <sup>3</sup>					
	<b>D</b> 4.0 g / cm <sup>3</sup>					
MS-6	D					

7	A measuring cylinder has a mass of 120 g when empty.						
	When it contains 50 cm <sup>3</sup> of a liquid, the total mass of the measuring cylinder and the liquid is 160 g.						
	What is the density of the liquid?						
	$A = \frac{40}{50} \text{ g/cm}^3$						
	$B = \frac{50}{40} \text{ g/cm}^3$						
	$c = \frac{120}{50} \text{ g/cm}^3$						
	D $\frac{10}{5}$	$\frac{60}{50}$ g/cm <sup>3</sup>					
MS-7	Α						
8	A liquid has a volume of 100 cm <sup>3</sup> and a mass of 85 g.						
	The density of water is 1.0 g/cm <sup>3</sup> .						
	How does the density of the liquid compare with the density of water?						
	A Its density is higher than that of water.						
	B Its density is lower than that of water.						
	C Its density is the same as that of water.						
	D It is impossible to say with only this data.						
MS-8	В						
9							
	The table gives the volumes and masses of four objects.						
	Which object has the greatest density?						
		mass/g	volume/cm <sup>3</sup>				
	Α	5.4	2.0				
	В	13	3.0				
	С	15	6.0				
	D	18	5.0				
MS-9	В						

10	A metal block has the dimensions shown. Its mass is 1000 g.
	10 cm 5 cm
	What is the density of the metal?
	$\mathbf{A}  \left(\frac{5 \times 10}{1000 \times 2}\right) \text{g/cm}^3$
	$\mathbf{B}  \left(\frac{2 \times 5 \times 10}{1000}\right) \text{g/cm}^3$
	$\mathbf{C}  \left(\frac{1000 \times 2}{5 \times 10}\right) \text{g/cm}^3$
	$\mathbf{D}  \left(\frac{1000}{2 \times 5 \times 10}\right) \text{g/cm}^3$
MS-10	D

