MEASURING DENSITY-SET-4 A student uses a measuring cylinder and a balance to find the density of oil. The diagram shows the arrangement used. measuring empty measuring cylinder containing cylinder volume V of oil m_1 m_2 Which calculation gives the density of the oil? MS-1 D 2 The diagrams show an empty container, and the same container filled with liquid. The empty container has a mass of 120 g. When filled with the liquid, the total mass of the container and the liquid is 600 g. container filled with liquid empty container 120 g 600 g The volume of liquid in the container is 600 cm³. What is the density of the liquid? **A** $0.020\,\mathrm{g/cm^3}$ **B** $0.80 \,\mathrm{g/cm^3}$ **C** $1.0 \,\mathrm{g/cm^3}$ **D** $1.2 \,\mathrm{g/cm^3}$

MS-2

3	A liquid has a volume of 0.040 m ³ and a mass of 30 000 g.
	What is the density of the liquid?
	A 0.075 kg/m ³ B 7.5 kg/m ³ C 750 kg/m ³ D 7500 kg/m ³
MS-3	С
4	The diagram shows four blocks of different metals. Each block has a mass of 12g.
	Which metal has the largest density?
	A B
	1 cm 2 cm 2 cm
	C D
	1 cm 2 cm
MS-4	A
	C (2)