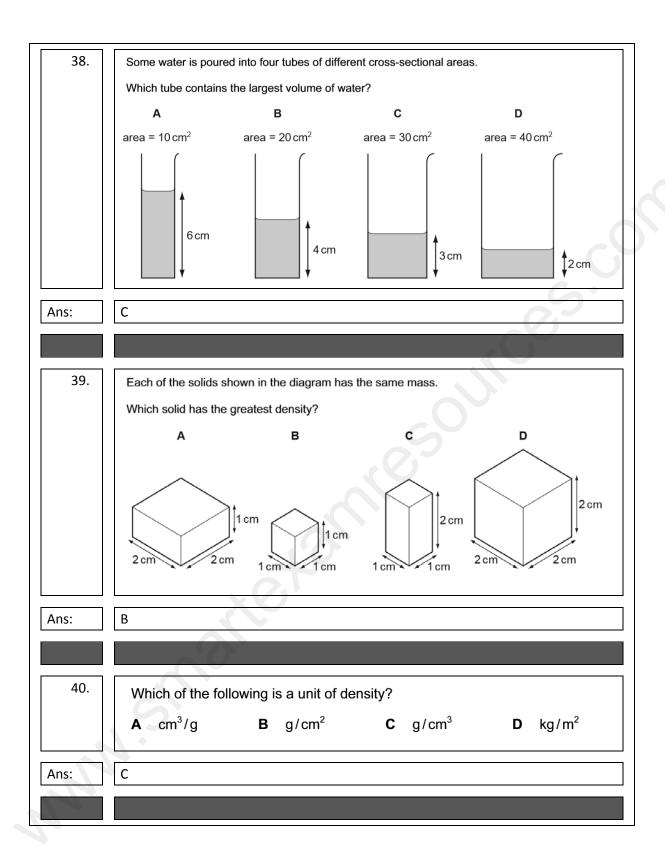
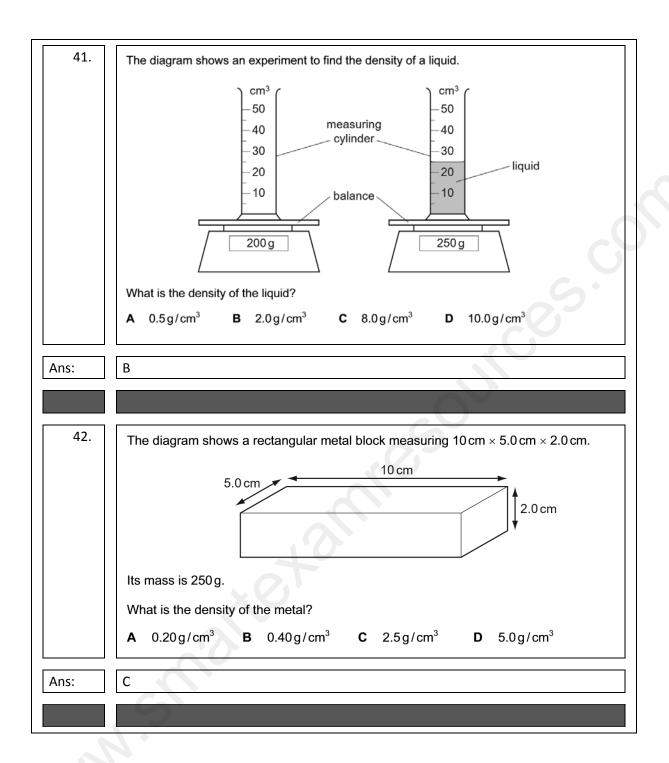


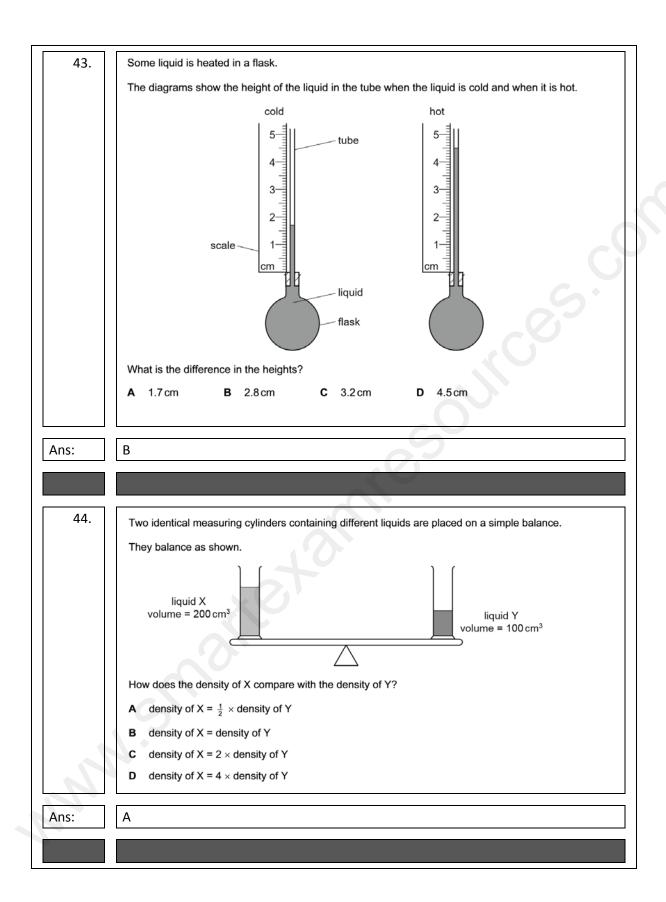
35. The diagram shows some liquid in a measuring cylinder. The mass of the liquid is 16 g. 15 10 What is the density of the liquid? **B** 36g/cm³ A 320 g/cm³ 1.25g/cm³ **D** 0.8g/cm³ D Ans: 36. A metal drum has a mass of 200 kg when empty and 1000 kg when filled with 1.0 m³ of methylated spirit. What is the density of methylated spirit? $0.0050 \,\mathrm{kg/m^3}$ $0.11 \, kg/m^3$ $800 \, kg/m^3$ С D $1000 \, \text{kg/m}^3$ C Ans: 37. What are the correct units for force and for weight? force weight A kg kg В Ν kg С Ν kg D Ν Ν

D

Ans:







45. Two digital stopwatches X and Y, which record in minutes and seconds, are used to time a race. The readings of the two stopwatches, at the start and at the end of the race, are shown. start end 00:00 00:40 start end 01:30 02:20 Which statement about the time of the race is correct? Both stopwatches recorded the same time interval. Stopwatch X recorded 10s longer than stopwatch Y. В С Stopwatch Y recorded 10 s longer than stopwatch X. D Stopwatch Y recorded 50 s longer than stopwatch X. C Ans: 46. A student pours liquid into a measuring cylinder. 100 measuring cylinder 80 70 60-50liquid digital balance 40 30-20-The student records the volume of the liquid from the scale on the measuring cylinder. He then puts the measuring cylinder containing the liquid on a balance and records the mass. What else needs to be measured before the density of the liquid can be calculated? the depth of the liquid in the measuring cylinder В the mass of the empty measuring cylinder С the temperature of the liquid in the measuring cylinder

the volume of the empty measuring cylinder

Ans:

В

