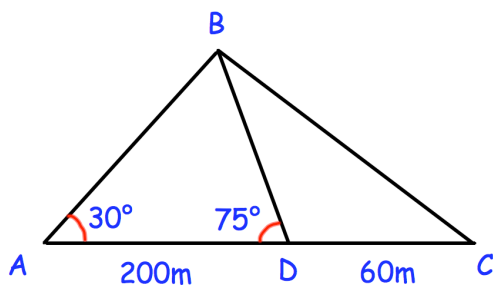


2nd April

Corbettmaths

A gym runs many exercise classes.
 Monday: 5 different classes
 Tuesday: 6 different classes
 Wednesday: 8 different classes
 Thursday: 8 different classes
 Friday: 10 different classes.

Shea goes one exercise class on 4 different days.
 How many different possible combinations are there?



Find the length of BD

Find the length BC

Find the size of angle CBD

Liquid A has a density of 0.9g/cm^3
 Liquid B has a density of 1.4g/cm^3
 Liquid C has a density of 0.75g/cm^3

200g of liquid A, 1kg of liquid B and 500g of liquid C are mixed to make liquid D.

Work out the density of liquid D