

17th September



Corbettmaths

Write **2.165** as a mixed number.  
Give your answer in its simplest form.

Make  $c$  the subject of

$$\frac{1}{m} = \frac{a}{c} + \frac{1}{n}$$

Martina has some coins.

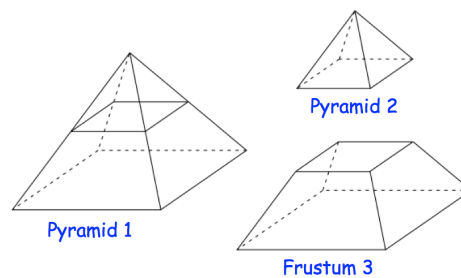


Martina has to pay 60p for a car park ticket. She selects 3 coins at random, without replacement, from her pocket. Work out the probability that she has chosen the exact price of the ticket

A solid square based pyramid 1 is divided into two parts: a square based pyramid 2 and a frustum 3, as shown.

Pyramid 1 has a base of side length 8cm.  
Pyramid 2 has a base of side length 4cm.  
The perpendicular height of pyramid 1 is 10cm.

Frustum 3 is made from a material with a density of  $4.2\text{g/cm}^3$



Work out the mass of the frustum.