Name: _____ 5-a-day Higher Plus

18th March

Corbettmaths

Make m the subject

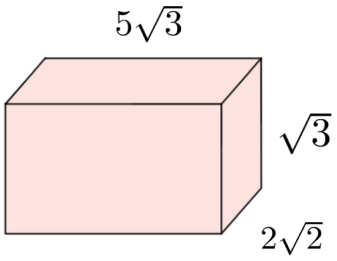
$m(r + p) = r(h - m)$

A gym runs many exercise classes.
Monday: 8 different classes
Tuesday: 5 different classes
Wednesday: 10 different classes
Thursday: 4 different classes
Friday: 6 different classes.

Shea goes one exercise class on 3 different days.

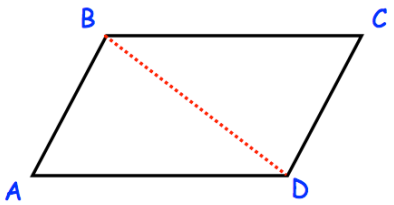
How many different possible combinations are there?

Shown is a cuboid with measurements in centimetres.
Work out the surface area



Solve

$$\frac{2}{2x-1} + \frac{1}{x-2} = 1$$



ABCD is a parallelogram.
Prove that triangles ABD and BCD are congruent.