



A drinks dispenser holds 8 litres of fruit juice, to the nearest litre.

Each glass holds 200ml to the nearest 10ml.

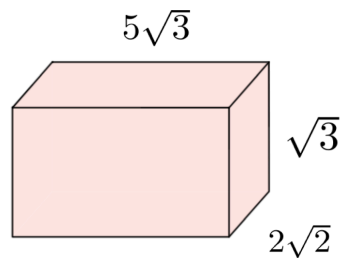
Work out the greatest possible number of glasses that can be filled.

Make  $m$  the subject

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

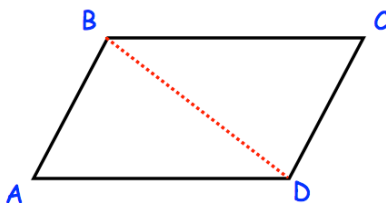
Shown is a cuboid with measurements in centimetres.

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.