### 18th March

#### 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

![Cuboid Diagram]

#### Solve

\[
\frac{2}{2x - 1} + \frac{1}{x - 2} = 1
\]

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