Rearranging difficult formulas



Harder because the letter we want appears more than once



m appears twice!

Example

Make
$$m$$
 the subject of $N = \frac{m+4}{m+1}$.

Arrows show we do the same thing to both sides

Answer

$$N = \frac{m+4}{m+1}$$

$$\times (m+1) = m+4$$

Expand the brackets

Factorise so that m only appears once

$$+(N-1) = 4-N$$

$$+(N-1) = 4-N$$

$$M = \frac{4-N}{N-1}$$



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CL Gary

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