



Part 1 MATHS - Mr Mould

1. Split the ninja star into triangular prism, and square out the surface area.

① Surface area = $(6.25 \times 2) + (1.5 \times 2) + (2 \times 5) = 18 \text{ cm}^2$ unit for surface area

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The ninja star has 4 corners, which look like triangular prism and let's find the 4 triangular prism's surface area:

③ S.A = $(5.85 \times 2) + (1.6 \times 2) + (2 \times 2.5) = 17.15 \text{ cm}^2$

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E. To find the total surface area of the ninja star you need to add all the surface area:

$(18 \times 2) + (17.15 \times 4) = 104.60 \text{ cm}^2$

So the total surface area is 104.60 cm^2 .

