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## **HSC Marking Feedback**

## Students should:

- determine the length of one side of a regular decagon given the perimeter
- use the sine rule to calculate the side length of a triangle
- find the area of a triangle using the sine rule
- find the area of the decagon using multiple steps.

# In better responses, students were able to:

- calculate the internal angles of the triangle
- find the perpendicular height of one triangle correctly
- use the sine rule to find the length of the triangle.

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#### **HSC Worked Solutions**



## Areas for students to improve include:

- recognising that the triangles are isosceles
- rounding to one decimal place
- distinguishing between the perpendicular height and slant height of a triangle
- using correct substitutions into the sine rule.

\* These solutions have been provided by *projectmaths* and are not supplied or endorsed by NESA.