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| **Geometry Revision** | | | | **5** |
| **(a)** | **(b)** | **(c)** | **(d)** | |
| A metal cube of side length . The density of the metal is . Find the mass of the metal cube. | On the grid, enlarge shape A by a scale factor of about centre | The diagram shows three regular pentagons joined together. Work out the value of angle . | Work out the missing length . | |
| **(e)** | **(f)** | **(g)** | **(h)** | |
| (i) Convert into  (ii) Convert into | Find as a column vector | Work out the size of angle . Give reasons for your answer. | The total surface area of the hemisphere is equal to the total surface area of the cylinder. Find the height . | |