### 1st June

<table>
<thead>
<tr>
<th>Find the LCM of 250 and 84</th>
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### Three mathematically similar semicircles are cut out of a piece of metal.

Semicircle B is an enlargement of semicircle A with scale factor 2. Semicircle C is an enlargement of semicircle B with scale factor 2.

Work out the shaded area.

![Diagram of three semicircles with dimensions 16 cm, 25 cm, and 40 cm]({})

### A savings account earns 10% a year.

£2000 is invested.

How much interest is earned over 3 years?

### Explain why regular pentagons will not tessellate.