22nd February

<table>
<thead>
<tr>
<th>Calculation</th>
<th>Work out</th>
</tr>
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<tbody>
<tr>
<td>$\sqrt{7} \times \sqrt{2}$</td>
<td>$(\sqrt{3})^2$</td>
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</table>

A sphere of diameter 4cm is cut from a cube with side length 4cm.
What percentage of the cube is wasted?

A company employs 200 people.
25% of the employees earn under £24,000.
50% of the employees earn over £36,000.
The interquartile range of the earnings is £7,000.
The person who earns the most is paid £61,000.
The range of the earnings is £50,000.

Draw a box plot to show this information.

Make $m$ the subject of

$m(r + p) = r(h - m)$

Shown is a rhombus of side length 10cm.
Calculate its area.