

# Shape Nets- Answers

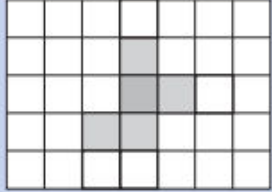
Key Stage 2: 2003 Paper A

1.

<p><b>15</b></p>	<p>Award <b>TWO</b> marks for all three shape names written in the correct order as shown:</p> <ul style="list-style-type: none"> <li>■ rectangle</li> <li>■ kite</li> <li>■ square</li> </ul> <p>If the answer is incorrect, award <b>ONE</b> mark for two shape names written in the correct order.</p>	<p><b>Up to 2m</b></p>	<p><i>Accept recognisable misspellings.</i></p> <p><i>For the first shape, accept oblong or parallelogram.</i></p> <p><i>For the third shape, accept rhombus or parallelogram but <b>do not</b> accept diamond.</i></p>
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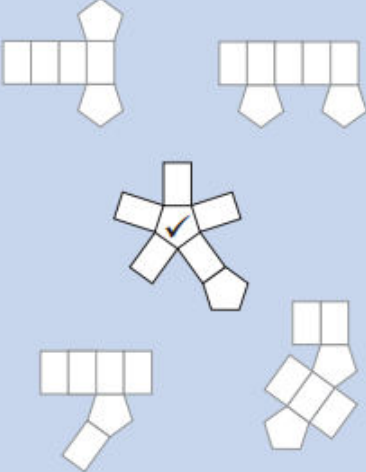
Key Stage 2: 2003 Paper B

1.

<p><b>8</b></p>	<p>Diagram completed with <b>ONE</b> of the four extra squares shown.</p> 	<p><b>1m</b></p>	<p><i>Accept slight inaccuracies in drawing provided the intention is clear.</i></p> <p><i>Accept alternative indications, eg squares ticked or circled.</i></p> <p><i>Accept more than one square drawn if <b>all</b> are correct.</i></p>
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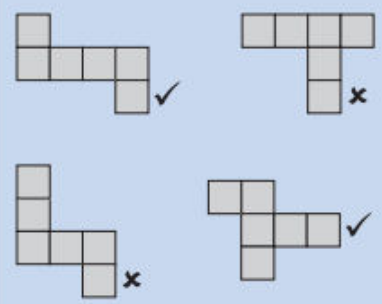
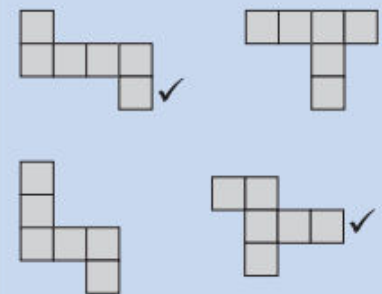
Key Stage 2: 2004 Paper A

1.

<p><b>13</b></p>	<p>One net ticked as shown:</p> 	<p><b>1m</b></p>	<p><i>Accept alternative unambiguous indications of the correct shape, provided the intention is clear, eg net circled.</i></p>
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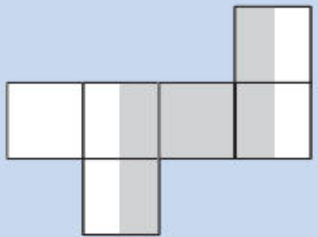
Key Stage 2: 2005 Paper A

1.

<p><b>16</b></p>	<p>Award <b>TWO</b> marks for diagrams ticked or crossed as shown:</p>  <p>If the answer is incorrect, award <b>ONE</b> mark for three diagrams ticked or crossed correctly.</p>	<p><b>Up to 2m</b></p>	<p>Accept alternative unambiguous indications such as <b>Y</b> or <b>N</b>.</p> <p>For <b>TWO</b> marks accept:</p> 
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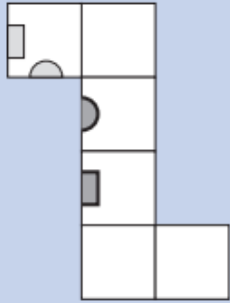
Key Stage 2: 2006 Paper B

1.

<p><b>16</b></p>	<p>Award <b>TWO</b> marks for four faces correctly shaded as shown:</p>  <p>If the answer is incorrect, award <b>ONE</b> mark for:</p> <ul style="list-style-type: none"> <li>■ only the correct four faces marked <b>AND</b> at least two shaded correctly</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>■ four faces shaded correctly <b>AND</b> one shaded incorrectly</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>■ three faces shaded correctly <b>AND</b> none shaded incorrectly.</li> </ul>	<p><b>Up to 2m</b></p> <p>U1</p>	<p>The width of each shaded rectangle is irrelevant provided the intention is clear.</p>
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Key Stage 2: 2007 Paper A

1.

<p><b>22</b></p>	<p>Diagram completed as shown:</p> 	<p><b>1m</b></p>	<p><i>Accept inaccuracies in drawing provided the intention is clear.</i></p> <p><i>Shapes need not be shaded.</i></p>
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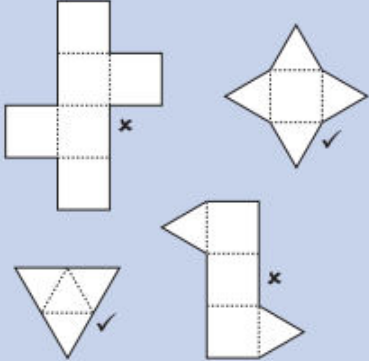
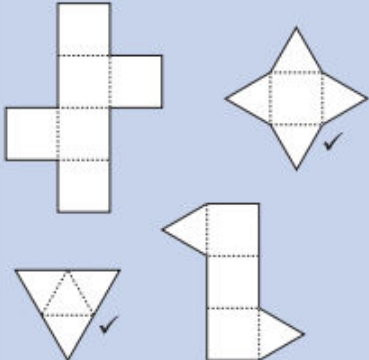
Key Stage 2: 2008 Paper A

1.

<p><b>17</b></p>	<p>4</p>	<p><b>1m</b></p> <p>U1</p>	
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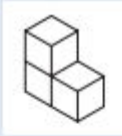

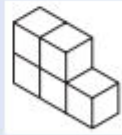
Key Stage 2: 2008 Paper B

1.

<p><b>5</b></p>	<p>Nets ticked and crossed as shown:</p> 	<p><b>1m</b></p>	<p><i>Accept alternative unambiguous indications of the correct nets, eg nets circled or crossed out.</i></p> <p><i>Accept:</i></p> 
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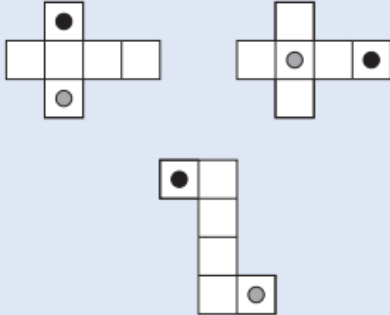
Key Stage 2: 2012 Paper B L6

1.

<p>11</p>	<p>Draws a correct view of the prism in any orientation, using the isometric grid, eg:</p> <ul style="list-style-type: none"> <li></li> <li></li> </ul> <p>Draws a correct view, using the isometric grid, but the only error is either to omit one external line or to show some incorrectly indicated hidden lines, eg</p> <ul style="list-style-type: none"> <li></li> </ul> <p><b>OR</b></p> <p>Draws a view of a prism with an L-shaped cross section, using the isometric grid with all external lines and no incorrectly indicated hidden lines shown, but with incorrect dimensions</p> <p><b>OR</b></p> <p>Shows an understanding that the net forms a prism with an L-shaped cross-section, showing all external lines and no incorrectly indicated hidden lines, but does not use the isometric grid, eg</p> <ul style="list-style-type: none"> <li></li> </ul> <p><b>OR</b></p> <p>Draws a correct view of the cross-section, using the isometric grid, eg</p> <ul style="list-style-type: none"> <li></li> </ul>	<p>2m</p>	<p>✓ <b>Some or all internal lines drawn</b>, eg</p> <ul style="list-style-type: none"> <li></li> </ul> <p>! <b>Lines not ruled or accurate</b> Accept provided the pupil's intention is clear</p> <p>! <b>Extended edges</b> Condone</p> <p>or</p> <p>1m</p> <p>! <b>Prism enlarged</b> For 2m or 1m, accept provided a consistent scale factor has been used for all lengths</p> <p>! <b>For 2m, some or all hidden lines shown</b> Do not accept unless hidden lines are dotted or otherwise shown as hidden eg, do not accept</p> <ul style="list-style-type: none"> <li></li> </ul> <p>✗ <b>For 2m, any external line omitted</b></p> <p>! <b>For 1m, L-shaped cross-section</b> The cross-section must have a line of symmetry eg, for 1m do not accept</p> <ul style="list-style-type: none"> <li></li> </ul> <p>! <b>For 1m, additional lines shown with correct cross-section</b> Ignore</p>
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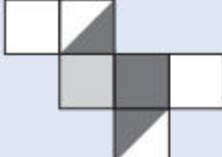
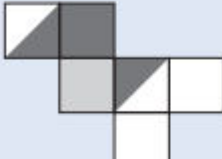
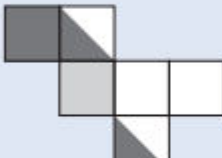
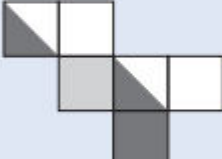
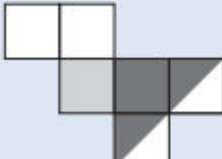
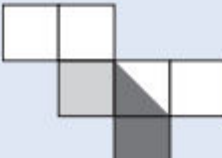
Key Stage 2: 2013 Paper A

1.

<p><b>5</b></p>	<p>Award <b>TWO</b> marks for three diagrams completed as shown:</p>  <p>If the answer is incorrect, award <b>ONE</b> mark for two diagrams correct.</p>	<p><b>Up to 2m</b></p> <p>U1</p>	<p>Accept alternative unambiguous indications.</p>
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Key Stage 2: 2015 Paper B L6

1.

<p>9</p>	<p>Shades three faces only, to complete the net correctly, ie:</p> <ul style="list-style-type: none"><li>• </li><li>• </li><li>• </li><li>• </li></ul> <p>Shades at least two faces correctly with no more than one face shaded incorrectly, eg:</p> <ul style="list-style-type: none"><li>• </li><li>• </li></ul>	<p>2m</p> <p>or</p> <p>1m</p>	<p>! <b>Shape not shaded</b></p> <p>Accept any unambiguous identification provided the intention is clear</p>
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Key Stage 2: 2015 Paper B

1.

<b>9a</b>	Rectangle (oblong) drawn in one of the correct positions as shown in diagram below:	<b>1m</b>	
<b>9b</b>	Square drawn in one of the correct positions as shown in diagram below:	<b>1m</b>	Only accept a square that is joined to the side of an adjacent rectangle (oblong).

Key Stage 2: 2018 Paper 2 Reasoning

1.

<b>22</b>	125	<b>1m</b>	
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Key Stage 2: 2018 Paper 3 Reasoning

1.

<b>17</b>	Net completed, as shown:	<b>1m</b>	<p>Accept unconventional arrangements of the dots, provided the intended number is clear and correct.</p> <p>Accept numbers instead of dots.</p>
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