

Factors - Answers

Key Stage 2: 2003 Paper A

1.

16	Award TWO marks for all three numbers correct as shown: a multiple of 9 <table border="1" data-bbox="553 579 786 646"><tr><td>2</td><td>7</td></tr></table> OR <table border="1" data-bbox="695 579 786 646"><tr><td>7</td><td>2</td></tr></table> a square number <table border="1" data-bbox="574 711 667 779"><tr><td>2</td><td>5</td></tr></table> a factor of 96 <table border="1" data-bbox="553 848 646 915"><tr><td>1</td><td>2</td></tr></table> If the answer is incorrect, award ONE mark for two numbers correct.	2	7	7	2	2	5	1	2	Up to 2m	
2	7										
7	2										
2	5										
1	2										

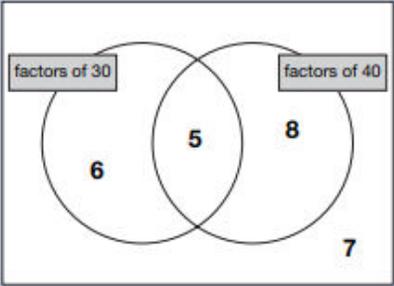
Key Stage 2: 2005 Paper B

1.

16	Award TWO marks for all four factors, as shown: 1, 2, 5, 10 If the answer is incorrect, award ONE mark for: <ul style="list-style-type: none">■ three factors correct and none incorrect OR <ul style="list-style-type: none">■ four factors correct and one incorrect.	Up to 2m	<i>Accept factors written in any order. All four factors and no incorrect numbers must be given for the award of TWO marks.</i>
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Key Stage 2: 2006 Paper A

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<p>13</p>	<p>Award TWO marks for numbers written in the correct regions as shown:</p>  <p>If the answer is incorrect, award ONE mark for any three numbers written in the correct regions.</p>	<p>Up to 2m</p>	<p>Do not accept numbers written in more than one region.</p> <p>Accept alternative indications such as lines drawn from the numbers to the appropriate regions of the diagram.</p>
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Key Stage 2: 2009 Paper A

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<p>18</p>	<p>Award TWO marks for the correct answer of 60 AND 90</p> <p>If the answer is incorrect, award ONE mark for:</p> <ul style="list-style-type: none"> ■ both numbers correct and one or more additional factors of 180 <p>OR</p> <ul style="list-style-type: none"> ■ both numbers correct and one number which is not a factor of 180 <p>OR</p> <ul style="list-style-type: none"> ■ one number correct and none incorrect. 	<p>Up to 2m</p>	<p>Numbers may be given in either order.</p> 
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Key Stage 2: 2012 Paper B L6

1.

<p>8</p>	<p>6</p>	<p>1m</p>	<p>(U1)</p>
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Key Stage 2: Paper 2 and 3 Reasoning - Sample

1.

Qu	Requirement	Mark	Additional guidance
7	1, 2 and 5	1 mark	Numbers may be given in any order.

Key Stage 2: 2017 Paper 3 Reasoning

1.

8	<p>Award TWO marks for any three of the following numbers written in any order:</p> <ul style="list-style-type: none"> • 2 • 6 • 10 • 30 <p>If the answer is incorrect, award ONE mark for two numbers correct.</p>	Up to 2m	
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Key Stage 2: 2018 Paper 3 Reasoning

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5	<p>Award TWO marks for only three correct boxes ticked, as shown:</p> <p>2 <input checked="" type="checkbox"/></p> <p>3 <input checked="" type="checkbox"/></p> <p>6 <input checked="" type="checkbox"/></p> <p>9 <input type="checkbox"/></p> <p>12 <input type="checkbox"/></p> <p>Award ONE mark for:</p> <ul style="list-style-type: none"> • only two correct boxes ticked and no incorrect boxes ticked <p>OR</p> <ul style="list-style-type: none"> • three correct boxes ticked and one incorrect box ticked. 	Up to 2m	Accept alternative unambiguous positive indications, e.g. Y.
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Key Stage 2: 2019 Paper 3 Reasoning

1.

Qu.	Requirement	Mark	Additional guidance
11	<p>Award TWO marks for all four given numbers placed completely correctly 7 times, as shown:</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Prime numbers</div> <p>2 3 5</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 12</div> <p>2 3 4 6</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 15</div> <p>3 5</p> </div> </div> <p>If the answer is incorrect, award ONE mark for three of the given numbers all placed completely correctly, e.g.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Prime numbers</div> <p>2 3 5</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 12</div> <p>2 3 4</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 15</div> <p>3 5</p> </div> </div> <p>OR</p> <div style="display: flex; justify-content: space-around; align-items: center; margin-bottom: 10px;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Prime numbers</div> <p>2 3 5 6</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 12</div> <p>2 3 4 6</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 15</div> <p>3 5</p> </div> </div> <p>OR</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Prime numbers</div> <p>2 3</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 12</div> <p>2 3 4 6</p> </div> <div style="border: 1px solid black; border-radius: 10px; padding: 5px; width: 60px; text-align: center;"> <div style="border: 1px solid black; padding: 2px; font-size: 8px; margin-bottom: 5px;">Factors of 15</div> <p>3 5</p> </div> </div>		