

Rounding Numbers - Answers

Key Stage 2: 2003 Paper A

1.

4	Two numbers circled as shown: 	1m	Do not award the mark if additional incorrect numbers are circled. Accept alternative unambiguous indications, eg ticks, numbers crossed or underlined.
----------	--	-----------	---

Key Stage 2: 2006 Paper B

1.

20	Award TWO marks for all three numbers in order as shown: 129 AND 7492 AND 51 If the answer is incorrect, award ONE mark for two out of three numbers correct.	Up to 2m	Do not accept 129.0 OR 7492.0 OR 51.0 OR any other equivalent answers with zeroes after the decimal point.
-----------	---	-----------------	--

Key Stage 2: 2009 Paper B

1.

2	Award TWO marks for three numbers correct as shown:  If the answer is incorrect, award ONE mark for any two numbers correct.	Up to 2m	
----------	---	-----------------	--

Key Stage 2: 2010 Paper A

1.

2	23 AND 33	1m 	Numbers may be given in either order.
----------	------------------	--	---------------------------------------

Key Stage 2: 2010 Paper B

1.

<p>1</p> <p>Award TWO marks for the four lines drawn as shown:</p> <p>If the answer is incorrect, award ONE mark for three correct lines drawn AND not more than one incorrect line drawn.</p>	<p>Up to 2m</p> <p>Do not award any marks if two or more incorrect lines are drawn.</p> <p>Lines need not touch the boxes, provided the intention is clear.</p>
--	---

Key Stage 2: 2012 Paper A L6

1.

<p>5</p> <p>Gives a correct explanation with a number x such that $50 \leq x < 55$, or $-5 < x < 5$, as an example, eg:</p> <ul style="list-style-type: none"> • 53 to the nearest hundred is 100, and to the nearest ten is 50 and $2 \times 50 = 100$ • If it's 50 or more but less than 55 it will round to 100 (nearest hundred) and 50 (nearest ten) and 100 is double 50 • 0 is 0 to the nearest 100 and 0 to the nearest 10 and twice 0 is 0 	<p>1m</p> <p style="text-align: center;">U1</p> <p>✓ Minimally acceptable explanation, eg:</p> <ul style="list-style-type: none"> • 51 rounds to 50 and 100 • $54 \rightarrow 50$ and $54 \rightarrow 100$ • 50 rounds to 100 • 0 rounds to 0 <p>✗ Incomplete or incorrect explanation, eg:</p> <ul style="list-style-type: none"> • They used 51 • $50 \times 2 = 100$ • They could use between 50 and 55, which round to 100
--	---

Key Stage 2: 2012 Paper A

1.

<p>10</p> <p>Award TWO marks for three numbers correct as shown:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="text-align: center;">rounded to the nearest hundred</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">316</td> <td style="text-align: center;">300</td> </tr> <tr> <td style="text-align: center;">3162</td> <td style="text-align: center;">3200</td> </tr> <tr> <td style="text-align: center;">31628</td> <td style="text-align: center;">31600</td> </tr> <tr> <td style="text-align: center;">316281</td> <td style="text-align: center;">316300</td> </tr> </tbody> </table> <p>If the answer is incorrect, award ONE mark for two numbers correct.</p>		rounded to the nearest hundred	316	300	3162	3200	31628	31600	316281	316300	<p>Up to 2m</p>
	rounded to the nearest hundred										
316	300										
3162	3200										
31628	31600										
316281	316300										

Key Stage 2: 2013 Paper A

1.

11	<p>Award TWO marks for all values correct as shown:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Number</th> <th style="text-align: center;">Rounded to the nearest whole number</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">5.05</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">5.55</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">4.45</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">4.54</td> <td style="text-align: center;">5</td> </tr> </tbody> </table> <p>If the answer is incorrect, award ONE mark for three numbers correctly rounded.</p>	Number	Rounded to the nearest whole number	5.05	5	5.55	6	4.45	4	4.54	5	Up to 2m	
Number	Rounded to the nearest whole number												
5.05	5												
5.55	6												
4.45	4												
4.54	5												

Key Stage 2: 2013 Paper B

1.

1	7.2	1m	
---	-----	----	--

Key Stage 2: 2014 Paper B L6

1.

9	<p>Gives two numbers which differ by 1, the lower of which is in the range 2.5 to 2.5823 exclusive, eg:</p> <ul style="list-style-type: none"> • 2.55 and 3.55 <p>Gives at least one number in the range 2.5 to 2.5823 exclusive or 3.5 to 3.5823 exclusive</p>	2m	✓ <i>Numbers may be given in either order</i>
		or	
		1m	

Key Stage 2: 2015 Paper A

1.

2	<p>Number circled as shown:</p> <p>525 491 511 408 550</p>	1m	Accept alternative unambiguous indications, eg number ticked, crossed or underlined.
----------	--	----	--

Key Stage 2: 2015 Paper B

1.

18	<p>Number circled as shown:</p> <p>19.95 20.1 19.09 20.09 20.201</p>	1m	Accept alternative unambiguous indications, eg number ticked, crossed or underlined.
-----------	--	----	--

Key Stage 2: 2016 Paper 2 Reasoning - Sample

1.

14	<p>Award TWO marks for all three numbers correctly rounded:</p> <p>120 000</p> <p>125 000</p> <p>124 500</p> <p>If the answer is incorrect, award ONE mark for any two numbers correctly rounded.</p>	Up to 2m	
-----------	---	-----------------	--

Key Stage 2: 2016 Paper 3 Reasoning - Sample

1.

3a	4	1m	Do not accept four OR 400
3b	6	1m	Do not accept six OR $\frac{6}{100}$
<p>Question 3 commentary: This question assesses place value in whole numbers up to 1 000 000 (5N3a) and in decimals (5F6b).</p>			

Key Stage 2: 2016 Paper 3 Reasoning

1.

15	<p>Award TWO marks for three boxes completed correctly as shown:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th style="background-color: #d9e1f2;">Rounded to nearest hundred</th> </tr> </thead> <tbody> <tr> <td style="background-color: #d9e1f2;">20,906</td> <td>20,900</td> </tr> <tr> <td style="background-color: #d9e1f2;">2,090.6</td> <td>2,100</td> </tr> <tr> <td style="background-color: #d9e1f2;">209.06</td> <td>200</td> </tr> </tbody> </table> <p>If the answer is incorrect, award ONE mark for two boxes correct.</p>		Rounded to nearest hundred	20,906	20,900	2,090.6	2,100	209.06	200	Up to 2m	
	Rounded to nearest hundred										
20,906	20,900										
2,090.6	2,100										
209.06	200										

Key Stage 2: 2017 Paper 2 Reasoning

1.

10	<p>Award TWO marks for three boxes completed correctly as shown:</p> <p style="text-align: center;">to the nearest 10 84,520</p> <p style="text-align: center;">to the nearest 100 84,500</p> <p style="text-align: center;">to the nearest 1,000 85,000</p> <p>If the answer is incorrect, award ONE mark for two boxes completed correctly.</p>	Up to 2m	
-----------	--	-----------------	--

Key Stage 2: 2018 Paper 2 Reasoning

1.

19	<p>Third box only ticked correctly, as shown:</p> <p>3 - 2 + 2 <input type="checkbox"/></p> <p>4 - 2 + 1 <input type="checkbox"/></p> <p>4 - 2 + 2 <input checked="" type="checkbox"/></p> <p>3 - 2 + 1 <input type="checkbox"/></p>	1m	Accept alternative unambiguous positive indication of the correct answer, e.g. Y.
-----------	--	-----------	---

Key Stage 2: 2019 Paper 2 Reasoning

1.

14	<p>Award TWO marks for the correct completion of the three numbers in the table, as shown:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="background-color: #d9e1f2;">Round 39,476</td> </tr> <tr> <td>to the nearest 10,000</td> <td>40,000</td> </tr> <tr> <td>to the nearest 1,000</td> <td>39,000</td> </tr> <tr> <td>to the nearest 100</td> <td>39,500</td> </tr> </table> <p>If the answer is incorrect, award ONE mark for any two of the numbers rounded correctly.</p>		Round 39,476	to the nearest 10,000	40,000	to the nearest 1,000	39,000	to the nearest 100	39,500	Up to 2m	Do not accept 9,000 or 500 for the second and third entries.
	Round 39,476										
to the nearest 10,000	40,000										
to the nearest 1,000	39,000										
to the nearest 100	39,500										

Key Stage 2: 2019 Paper 3 Reasoning

1.

2a	7	1m	Do not accept 70,000 or 70 thousands.
2b	4,000,000	1m	Accept 4 million or four million Do not accept the answer 4