

Pictograms-Answers

Key Stage 3: 2003 Paper 1 Level 3-5

1.

Tier & Question					Pictogram	
3-5	4-6	5-7	6-8			
1					Correct response	Additional guidance
a				1m	Draws two circles	<p>✓ <i>Circles not shaded</i></p> <p>! <i>Circles inaccurate in size and/or shape</i> Accept provided the pupil's intention is clear</p>
b				1m	2	

Key Stage 3: 2005 Paper 1 Level 3-5

2.

Tier & Question					Survey results	
3-5	4-6	5-7	6-8			
14	7				Correct response	Additional guidance
a	a			1m	Draws a correct bar for Don't know that indicates 9 people	<p>! <i>Bar not ruled, accurate or shaded</i> Accept provided the pupil's intention is clear, and the height of the bar is closer to 9 than to either 8 or 10</p> <p>! <i>Bar incorrectly positioned or of an incorrect width</i> Condone</p>
b	b			1m	Indicates 3 circles for Don't know	<p>! <i>Circles not shaded or inaccurate in size</i> Accept provided the pupil's intention is clear</p> <p>! <i>Follow through from part (a)</i> Accept the number of circles drawn as the height of their bar for Don't know ÷ 3 If this results in a part circle, condone any inaccuracy in their part circle</p>

Key Stage 3: 2005 Paper 1 Level 4-6

3.

Tier & Question				Speed bumps					
3-5	4-6	5-7	6-8						
23	16	8		Correct response	Additional guidance				
	a	a	2m	<p>Completes both sentences correctly, with all four values in the correct positions, ie</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding-right: 100px;">12</td> <td>46</td> </tr> <tr> <td style="padding-right: 100px;">3</td> <td>35</td> </tr> </table> <p>or</p> <p>1m Gives at least two values in the correct positions</p> <p>or</p> <p>Shows the values 46, 12, 35 and 3, even if their positions are incorrect</p>	12	46	3	35	<p>! <i>Throughout the question, key not interpreted</i> eg, for the value 46</p> <ul style="list-style-type: none"> • 4 6 <p>Penalise only the first occurrence</p>
12	46								
3	35								
	b	b	1m	<p>Gives a correct justification</p> <p>eg</p> <ul style="list-style-type: none"> ■ $38 - 28 = 10$ ■ It falls from 38 to 28 	<p>✓ <i>Minimally acceptable justification</i></p> <p>eg</p> <ul style="list-style-type: none"> • 38 and 28 identified, with no evidence of an incorrect method <p>! <i>Ambiguous notation</i></p> <p>eg</p> <ul style="list-style-type: none"> • $28 - 38$ <p>Condone</p> <p>✗ <i>Incomplete or incorrect justification</i></p> <p>eg</p> <ul style="list-style-type: none"> • The difference between the middle numbers before and after is 10 • Indicates both values of 8 corresponding to the units of 38 and 28 on the diagram, but with no interpretation of the key • Before the median was 39, after the median was 29, so it fell by 10 				

Key Stage 3: 2006 Paper 2 Level 3-5

5.

Tier & Question				Woodpeckers						
3-5	4-6	5-7	6-8			Correct response		Additional guidance		
20	14	6								
a	a	a		1m	Gives all three correct values in the correct order, ie <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px 10px;">60</td> <td style="padding: 2px 10px;">10</td> <td style="padding: 2px 10px;">30</td> </tr> </table>	60	10	30		
60	10	30								
b	b	b		1m	1 : 3	<i>✓ Equivalent ratio</i> eg <ul style="list-style-type: none"> • $\frac{1}{3} : 1$ • 10 : 30 				

Key Stage 3: 2006 Paper 2 Level 4-6

6.

Tier & Question				Woodpeckers						
3-5	4-6	5-7	6-8			Correct response		Additional guidance		
20	14	6								
a	a	a		1m	Gives all three correct values in the correct order, ie <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="padding: 2px 10px;">60</td> <td style="padding: 2px 10px;">10</td> <td style="padding: 2px 10px;">30</td> </tr> </table>	60	10	30		
60	10	30								
b	b	b		1m	1 : 3	<i>✓ Equivalent ratio</i> eg <ul style="list-style-type: none"> • $\frac{1}{3} : 1$ • 10 : 30 				

Key Stage 3: 2008 Paper 2 Level 3-5

7.

Tier & Question					Football survey	
3-5	4-6	5-7	6-8			
15	7				Correct response	Additional guidance
				2m	Gives the value 3 in the key and completes 3 circles for each of the Yes and No rows	! <i>Circles not shaded, or inaccurate in size</i> Accept provided the pupil's intention is clear
				or		
				1m	Shows or implies the value 9 eg <ul style="list-style-type: none"> ▪ Completes 9 circles for one or both rows or Draws the same number of circles for each of the Yes and No rows, provided this number is not 4, even if the value in the key is incorrect or omitted	
					(U1)	

Key Stage 3: 2008 Paper 2 Level 4-6

8.

Tier & Question					Football survey	
3-5	4-6	5-7	6-8			
15	7				Correct response	Additional guidance
				2m	Gives the value 3 in the key and completes 3 circles for each of the Yes and No rows	! <i>Circles not shaded, or inaccurate in size</i> Accept provided the pupil's intention is clear
				or		
				1m	Shows or implies the value 9 eg <ul style="list-style-type: none"> ▪ Completes 9 circles for one or both rows or Draws the same number of circles for each of the Yes and No rows, provided this number is not 4, even if the value in the key is incorrect or omitted	
					(U1)	

Key Stage 3: 2010 Paper 1 Level 3-5

9.

Tier & Question						Clubs
3-5	4-6	5-7	6-8	Mark	Correct response	
12	2					
a	a			1m	Indicates two symbols for Girls	<p>! <i>Features of faces omitted or circles inaccurate in size</i> Accept provided the pupil's intention is clear</p> <p>! <i>Response includes half symbols</i> eg •  Condone if unambiguous</p>
b	b			1m	5	
					(U1)	

Key Stage 3: 2010 Paper 1 Level 4-6

10.

Tier & Question						Clubs
3-5	4-6	5-7	6-8	Mark	Correct response	
12	2					
a	a			1m	Indicates two symbols for Girls	<p>! <i>Features of faces omitted or circles inaccurate in size</i> Accept provided the pupil's intention is clear</p> <p>! <i>Response includes half symbols</i> eg •  Condone if unambiguous</p>
b	b			1m	5	
					(U1)	