

Birds' Eggs	Rubric	
The core elements of performance required by this task are: • interpret a scatter diagram including comparing gradients  Based on these, credit for specific aspects of performance should be assigned as follows	points	section points
1. Marks point correctly. (Accept point within 1 square of correct position.)	1	1
2. Gives a correct description such as: Generally, the greater the length of the egg, the greater is its width.	1	1
3. Draws a correct line of best fit.	1	1
4. Finds correct equation of line of best fit, such as $y = 3x/4$ accept slope 0.7 to 0.8  Shows work such as: The slope of the line = $3/4$ , and the line goes through the origin, so $y - 0 = 3/4(x - 0)$	1   2	3
5. Gives correct answer: 25mm (Accept values between 22 and 28.)  Gives correct explanation such as: I used my line of best fit	1  1	2
6. Gives a correct explanation such as: They have the same width, but D is longer. <b>or</b> C is a shorter and fatter shape.	2x1 <b>or</b> 2x1	2
7. Gives a correct answer: <b>E</b> and Gives a correct explanation such as: The line joining E to the origin is the flattest of all the lines joining A, B, C, D, and E to the origin. <b>or</b> Gives all the ratios simplified for comparison.	1  1  <b>or</b> 1	2
<b>Total Points</b>		<b>12</b>

