

Day 3 Answers

Task 1	Task 2	Task 3												
<p>Problem solving</p> <p>Q1. Award TWO marks for six correct numbers, as shown.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">a multiple of 5</td> <td style="text-align: center; padding: 5px;"> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">3</td> <td style="width: 20px; height: 20px; text-align: center;">5</td> </tr> </table> </td> </tr> <tr> <td style="padding: 5px;">a square number</td> <td style="text-align: center; padding: 5px;"> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">8</td> <td style="width: 20px; height: 20px; text-align: center;">1</td> </tr> </table> </td> </tr> <tr> <td style="padding: 5px;">a cube number</td> <td style="text-align: center; padding: 5px;"> <table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">6</td> <td style="width: 20px; height: 20px; text-align: center;">4</td> </tr> </table> </td> </tr> </table> <p>Award ONE mark for:</p> <ul style="list-style-type: none"> Any two correct that satisfy the criteria in the table. Three correct with some duplication of cards. <p style="text-align: center;">Do not allow the use of other numbers.</p> <p>Q2. Award TWO marks for the numbers placed correctly, as shown.</p>	a multiple of 5	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">3</td> <td style="width: 20px; height: 20px; text-align: center;">5</td> </tr> </table>	3	5	a square number	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">8</td> <td style="width: 20px; height: 20px; text-align: center;">1</td> </tr> </table>	8	1	a cube number	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px; text-align: center;">6</td> <td style="width: 20px; height: 20px; text-align: center;">4</td> </tr> </table>	6	4	<p>Arithmetic</p> <p>22. 25 [1]</p> <p>23. $\frac{2}{5}$ [1]</p> <p>24. For 2 marks: [2] $132 \text{ r}45$ or $132\frac{9}{13}$ or $132\frac{45}{65}$ or 132.7 or $132.6(92\dots)$ <i>For 1 mark: 132 or evidence of either a long division method or short division method with only one error (carry figures must be seen in a short division method)</i></p> <p>25. For 2 marks: 77 486 [2]</p> $\begin{array}{r} 1802 \\ \times \quad 43 \\ \hline 5406 \\ 72080 \\ \hline 77486 \end{array}$ <p><i>An error in one row, then added correctly, or an error in the addition</i></p> <p>26. $\frac{1}{10}$ [1]</p> <p>27. $2\frac{3}{8}$ [1]</p> <p>28. $\frac{3}{8}$ [1]</p>	<p>Project Expected</p> <p>The Smith family tree</p> <p>Answers</p> <p style="text-align: right;"> = F = M = married </p> <p>Greater Depth</p> <p>The Jones family tree.</p> <p>Answers</p> <p style="text-align: right;"> = F = M = married </p>
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Day 3 Answers

18 24 30 36 42

Award **ONE** mark for any two numbers placed correctly.

Q3.

All of 42, 63 and 77 circled or unambiguously indicated.

No other numbers should be indicated.

Q4.

Award **TWO** marks for 16, 40 and 64 placed correctly, as shown.

16 24 32 40 48 56 64

Award **ONE** mark for any two numbers placed correctly.