



| Q  | Answer                                                                                                                                  | Marks |
|----|-----------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1  | a) triangular prism b) a 1 cm by 2 cm rectangle on the right of the 3 by 2 face, and a 3 cm by 2 cm rectangle above the top 3 by 1 face | 3     |
| 2  | 62 cm <sup>2</sup>                                                                                                                      | 3     |
| 3  | 480 cm <sup>3</sup>                                                                                                                     | 3     |
| 4  | 942 cm <sup>3</sup>                                                                                                                     | 3     |
| 5  | 2 hours                                                                                                                                 | 3     |
| 6  | <b>a)</b> 360 cm <sup>3</sup> <b>b)</b> 408 cm <sup>2</sup>                                                                             | 4     |
| 7  | <b>a)</b> 276.5 cm <sup>2</sup> <b>b)</b> 377.0 cm <sup>2</sup>                                                                         | 4     |
| 8  | 157 litres                                                                                                                              | 4     |
| 9  | Face area = $150 \div 6 = 25 \text{ cm}^2$ , so side = 5 cm and volume = $5^3 = 125 \text{ cm}^3$                                       | 4     |
| 10 | £427.50                                                                                                                                 | 3     |
| 11 | 3                                                                                                                                       | 4     |
| 12 | 5                                                                                                                                       | 4     |

Full worked solutions, written out by hand, are on the solutions sheet for this topic.