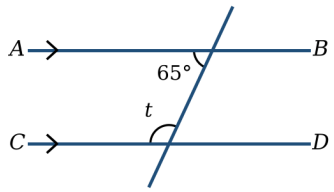
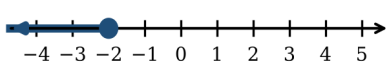
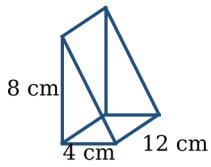
| Day 265 | B Tier 10-a-day |
|---|---|
| **1** Write down the number of faces, edges and vertices of a cylinder.<br>Count curved faces and curved edges as well. | |
| **2** Here is a list of numbers.<br>70, 46, 71, 78, 57, 24, 23, 25<br>From the list, write down<br>(a) a square number<br>(b) a multiple of 7 | |
| **3** In the diagram, AB is parallel to CD.<br>(a) Work out the size of angle t.<br>(b) Give a reason for your answer.<br>The diagram is not drawn accurately.<br> | |
| **4** Here are Amy's and Ravi's daily sales.<br>Amy: 64, 43, 59, 55, 56<br>Ravi: 54, 51, 49, 50, 56<br>Compare their results using the mean and the range. | |
| **5** Write down the inequality shown on the number line. Use x for the variable.<br> | |

| Day 265 | B Tier 10-a-day |
|---|---|
| **6** This prism has a right-angled triangle as its cross-section.<br>Calculate the volume of the prism.<br>The diagram is not drawn accurately.<br><br> | |
| **7** Zain and Jack share some money in the ratio 3 : 1.<br>Zain gets £4 more than Jack.<br>Work out the total amount of money. | |
| **8** The equation $x^3 - 2x = 5$ has a solution between 2 and 3. (Calculator)<br>Use trial and improvement to find this solution.<br>Give your answer correct to 1 decimal place. | |
| **9** A cyclist travels at 30 km/h for 3 hours and then at 60 km/h for 2 hours.<br>Work out its average speed for the whole journey. | |
| **10** What fraction of £6 is 90p?<br>Give your answer in its simplest form. | |