| 22nd February Higher 5-a-day |  |
| :---: | :---: |
| Simplify $\sqrt{7} \times \sqrt{2}$ | Work out $(\sqrt{3})^{2} \quad$ Corbettm $\alpha$ ths |
| A sphere of diameter 4 cm is cut from a cube with side length 4 cm . <br> What percentage of the cube is wasted? |  |
| A company employs 200 people. $25 \%$ of the employees earn under £24,000. <br> $50 \%$ of the employees earn over $£ 36,000$. The interquartile range of the earnings is £17,000. <br> The person who earns the most is paid £61,000. <br> The range of the earnings is $£ 50,000$. |  <br> Draw a box plot to show this information |
| Make $m$ the subject of $m(r+p)=r(h-m)$ |  |
|  | How many degrees bigger than angle $A B C$ is angle ACB? |

