10th May

| Work out the value of $150^3$
| Give your answer in standard form. |

| Solve the simultaneous equations
| $x - y = 13$
| $\frac{2}{3}x + \frac{1}{2}y = -3$ |

| Liquid A has a density of 0.65g/cm³
Liquid B has a density of 1.4g/cm³

| 200g of liquid A and 60g of liquid B are mixed for make liquid C.
Work out the density of liquid C. |

| Shown are two mathematically similar cuboids.
The volume of cuboid B is 1728cm³
Find the volume of cuboid A. |

| The probability of winning a game is 0.7.
The game is played 3 times.
What is the probability of exactly 2 wins. |