



- 1) Simplify $\sqrt{405}$

- 2) A car bought for £22000 depreciates in value by 4.3% each year. Write down a formula for the value of the car, V , after t years.

- 3) Use the formula $s = \frac{1}{2}(u + v)t$ to find the distance travelled in 10 seconds if the initial velocity was 5m/s, and the final velocity was 12m/s.

- 4) Evaluate $16^{\frac{3}{4}}$ (i.e 16 to the power of $\frac{3}{4}$)

- 5) A block has a mass of 300g and a density of 75g/cm³. Calculate the volume.