# AGS Maths Stars

**D** Identify from the following list of numbers
33, 29, 24, 125, 81, 9
a) Square number
b) Cube Number
c) Multiple of 6
d) Prime number

Mr Laidler believes $\frac{5}{6}$ of £240 is the same as increasing £140 by 40% is he correct. (explain your answer)

**C**

Evaluate the following
*a)* $(8^3)^2$

*b)* $8^0$

*c)* $8^{-1}$

*d)* $8^{-2}$

**B**

Rationalise the denominators

a) $\dfrac{3}{\sqrt{5}}$

b) $\dfrac{3}{4\sqrt{3}+2}$

**A/A***

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