

Q.1 num ;/p: num=125 v/p: Not an armstrong.
num=153 v/p: Is an armstrong.

Q. Armstrong numbers i) Easy
ii) Tough

$$\begin{aligned} \text{i) } 153 &\Rightarrow 1^3 + 5^3 + 3^3 \\ &= 1 + 125 + 27 \\ &= 153 \end{aligned}$$

Is an armstrong.

$$\begin{aligned} \text{ii) } 123 &= 1^3 + 2^3 + 3^3 \\ &= 1 + 8 + 27 \\ &= 36 \end{aligned}$$

Not an armstrong