



Maths
Junior Certificate
Higher Level

Past Exam Questions on
Indices

Q1 Part (c) 2007 Paper 1

(c) (i) ✍ Simplify

$$\frac{2^5 \times 8^{\frac{2}{3}}}{64^{\frac{1}{2}} \times 4^2}$$

Give your answer in the form 2^n , where $n \in \mathbb{N}$.

Q3 Part (a) 2006 Paper 1

3. (a) (i) Simplify $(64)^{\frac{3}{2}}$.

(ii) Simplify $(64)^{\frac{2}{3}}$.

Q3 Part (a) 2005 Paper 1

3. (a) ✍ Write $\sqrt[3]{16}$ in the form 2^k , $k \in \mathbb{Q}$.