



**Maths**  
**Junior Certificate**  
**Ordinary Level**

**Past Exam Questions on**  
**Indices**

**Q2 Part (c) (ii) 2012 Paper 1**

(ii) Write  $\frac{a^7}{a^3}$  in the form  $a^n$ , where  $n \in \mathbb{N}$ .

Hence or otherwise evaluate  $\frac{11^7}{11^3}$ .

$\frac{a^7}{a^3} =$
$\frac{11^7}{11^3} =$

**Q2 Part (c) 2011 Paper 1**

(c) (i) Write  $(a^3)^2$  in the form  $a^n$ ,  $n \in \mathbb{N}$ .

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(ii) Using your answer from (i) or otherwise evaluate  $(5^3)^2$ .

<del>✎</del> $(5^3)^2 =$
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**Q2 Part (c) (ii) 2010 Paper 1**

- (ii) Simplify  $\frac{a^5 \times a^2}{a \times a^3}$ . Give your answer in the form  $a^n$ , where  $n \in \mathbb{N}$ .

  $\frac{a^5 \times a^2}{a \times a^3} =$

- (iii) Using your answer to part (ii), or otherwise, find the value of  $\frac{6^5 \times 6^2}{6 \times 6^3}$ .

  $\frac{6^5 \times 6^2}{6 \times 6^3} =$


**Q2 Part (b) 2009 Paper 1**

- 2(b) (i) Simplify  $\frac{a^9 \times a^3}{a^6 \times a^2}$ , giving your answer in the form  $a^n$ , where  $n \in \mathbb{N}$ .

  $\frac{a^9 \times a^3}{a^6 \times a^2} =$

**Q2 Part (b) 2007 Paper 1**

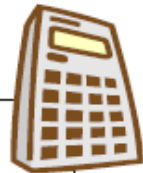
- 2(b) (i) Simplify  $\frac{a^8 \times a^{10}}{a^5 \times a^7}$ , giving your answer in the form,  $a^n$  where  $n \in \mathbb{N}$ .

  $\frac{a^8 \times a^{10}}{a^5 \times a^7} =$

**Q2 Part (c) 2005 Paper 1**

- 2(c) (i) Using a calculator, or otherwise, find the exact value of  $(4^2)^3$ .

$(4^2)^3 =$



**Q2 Part (b) 2005 Paper 1**

- 2(b) (i) Simplify  $\frac{a^9 \times a^5}{a^6 \times a^2}$ , giving your answer in the form  $a^n$ , where  $n \in \mathbb{N}$ .

  $\frac{a^9 \times a^5}{a^6 \times a^2} =$

**Q2 Part (c) 2005 Paper 1**

2(c) Using a calculator, or otherwise, find the exact value of:

(i)  $49^{\frac{1}{2}}$

