



Maths
Junior Certificate
Ordinary Level

Past Exam Questions on
Prime Numbers and Factors

Q1 Part (c) 2011 Paper 1 Section 1

- (c) (i) List all the divisors of 18 and 24.

Divisors of 18:

Divisors of 24:

- (ii) Write down the highest common factor of 18 and 24.

Highest common factor =

- (iii) $\{5, 7, 9, 11, 13, 15\}$ is the set of odd numbers between 4 and 16.

Which of these numbers are not prime numbers?

Give a reason for your answer.

Not prime numbers:

Reason:

Q1 Part (c) 2008 Paper 1

1(c) M is the set of natural numbers from 1 to 36, inclusive.

(i) List the elements of M that are multiples of 6.

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(ii) List the elements of M that are multiples of 9.

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(iii) Write down the lowest common multiple of 6 and 9.

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(iv) Express 30 as the product of three prime numbers.

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Q1 Part (c) 2005 Paper 1

1(c) M is the set of natural numbers from 1 to 20, inclusive.

(i) List the elements of M that are multiples of 3.

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(ii) List the elements of M that are multiples of 5.

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(iii) Write down the lowest common multiple of 3 and 5.

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(iv) Express 10 as the sum of three prime numbers.

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