AQA, OCR, Edexcel

GCSE

GCSE Maths

LCM, HCF, Factors and Prime Numbers Questions

Name:

MME

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Total Marks: /21

LCM, HCF, Factors and Prime Numbers

1. What is a prime number? Write down three examples of prime numbers that are less than 10.

(3marks)

2. Define what is meant by a negative integer?

(1 mark)

3. Find the LCM of 4 and 6?

(2 marks)

4. Find the HCF of 24 and 36?

(2 marks)

5. Find the LCM of 3 and 7?

(2 marks)

6. Find the HCF of 72 and 27.

(2 marks)

7. Which of the following is neither a square number nor a prime number?
   i. 2, 4, 16, 17, 25, 26, 36, 37, 49, 51, 53

(1 mark)

8. Find the prime factorisation of 140.

(2 marks)

9. Find the prime factor decomposition of 220.

(3 marks)

10. Which is the highest value: the LCM of 2 and 4, or the HCF of 8 and 12? Explain your reasoning.

(3 marks)