

Prime Factors, HCF and LCM

November 2024 Paper 3

16 (a) Write 126 as a product of its prime factors.

.....
(2)

(b) Find the highest common factor (HCF) of 126 and 210

.....
(2)

(Total for Question 16 is 4 marks)

November 2022 Paper 1

19 Write 500 as a product of powers of its prime factors.

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(Total for Question 19 is 3 marks)

November 2023 Paper 1

20 (a) Write 156 as a product of its prime factors.

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(2)

(b) Find the highest common factor (HCF) of 156 and 130

.....
(2)

(Total for Question 20 is 4 marks)

June 2024 Paper 2

21 (a) Write 90 as a product of its prime factors.

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(2)

$$A = 2^2 \times 3$$

$$B = 2 \times 3^2$$

(b) Write down the lowest common multiple (LCM) of A and B .

.....
(1)

(Total for Question 21 is 3 marks)

June 2023 Paper 2

21 Write 60 as a product of its prime factors.

(Total for Question 21 is 2 marks)

June 2022 Paper 3

21 Work out the lowest common multiple (LCM) of 24 and 56

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(Total for Question 21 is 2 marks)

June 2020 Paper 2

21 (a) Write 84 as a product of its prime factors.

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(2)

(b) Find the lowest common multiple (LCM) of 60 and 84

.....
(2)

(Total for Question 21 is 4 marks)

22 Find the highest common factor (HCF) of 63 and 105

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(Total for Question 22 is 2 marks)

November 2021 Paper 2

22 (a) Find the Highest Common Factor (HCF) of 60 and 84

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(2)

(b) Find the Lowest Common Multiple (LCM) of 24 and 40

.....
(2)

(Total for Question 22 is 4 marks)

June 2023 Paper 3

24 A and B are numbers such that

$$A = 2^2 \times 3^4 \times 7$$

$$B = 3^2 \times 7^2$$

(a) Find the highest common factor (HCF) of A and B .

.....
(1)

(b) Find the lowest common multiple (LCM) of A and B .

.....
(2)

(Total for Question 24 is 3 marks)

June 2022 Paper 1

24 Write 124 as a product of its prime factors.

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(Total for Question 24 is 2 marks)
