1	Write 36 as a product of its prime factors.	<u>Autumn 2017 Paper 1 Q1</u>
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)
	(Total for Question	n 1 is 2 marks)

Express 56 as the product of its prime factors.	Summer 2017 Paper 1 Q2
	(Total for Question 2 is 2 marks)
	Express 56 as the product of its prime factors.

3	(a) Find the lowest common multiple (LCM) of 40 and 56	<u>Summer 2018 Paper 2 Q2</u>
		(2)
	$A = 2^3 \times 3 \times 5 \qquad \qquad B = 2^2 \times 3 \times 5^2$	(-)
	(b) Write down the highest common factor (HCF) of A and B.	
	(b) write down the ingliest common factor (free) of 71 and 2.	
		(1)
	(Total for Question	
_	(Total for Question	
	(Total for Question	

4 Here are three lamps.





lamp **B**



lamp C



Lamp A flashes every 20 seconds.

Lamp **B** flashes every 45 seconds.

Lamp C flashes every 120 seconds.

The three lamps start flashing at the same time.

How many times in one hour will the three lamps flash at the same time?

(Total for Question 4 is 3 marks)

5	Find the highest common factor (HCF) of 72 and 90	Summer 2019 Paper 1 Q3
_		(Total for Question 5 is 2 marks)

6	(a) Write 84 as a product of its prime factors.	<u>Summer 2020 Paper 2 Q1</u>
	(1) F: 1.1 1	(2)
	(b) Find the lowest common multiple (LCM) of 60 and 84	
		(2)
	(Total for Questio	(2) on 6 is 4 marks)

7	Here is a list of five nu	mhers					<u>Summer 2020 Paper 3 Q20</u>
,	There is a list of live ha	98 ⁵³	9864	98 ⁷³	9888	9891	
	Find the lowest commo	on multiple	of these fiv	e numbers.			
					(Total for	Question 7	is 1 mark)

8	(a) Find the Highest Common Factor (HCF) of 60 and 84	<u>Summer 2021 Paper 2 Q2</u>
Ü	(a) 1a 1g e e 1 a e e e	
		(2)
	(b) Find the Lowest Common Multiple (LCM) of 24 and 40	
		(2)
	(Total for Questio	n 8 is 4 marks)

	Autumn 2019 Paper	-101
_		<u></u> z-
9	Find the Lowest Common Multiple (LCM) of 108 and 120	
_	(Total for Question 9 is 3 marks)	

	<u>Autumn 2022 Paper 1 Q1</u>
10	Write 500 as a product of powers of its prime factors.
	(Total for Overtion 10 is 2 morely)
	(Total for Question 10 is 3 marks)

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11	Two numbers m and n are such that m is a multiple of 5 n is an even number the highest common factor (HCF) of m and n is 7
	Write down a possible value for m and a possible value for n .
	$m = \dots$
	<i>n</i> =
	(Total for Question 11 is 2 marks)

10		<u>Summer 2022 Paper 1 Q2</u>
12	Write 124 as a product of its prime factors.	
		_ -
	(Total for Q	uestion 12 is 2 marks)
	(Total for Q	uestion 12 is 2 marks)
	(Total for Q	uestion 12 is 2 marks)
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