1 Express 56 as the product of its prime factors.

....

(Total for Question 1 is 2 marks)

2 Find the highest common factor (HCF) of 72 and 90

....

(Total for Question 2 is 2 marks)

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

....

(2)

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

....

(2)

(Total for Question 3 is 4 marks)

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

....

(2)

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

....

(2)

(Total for Question 4 is 4 marks)

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

....

(Total for Question 5 is 3 marks)

6 Write 124 as a product of its prime factors.

....

(Total for Question 6 is 2 marks)

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

....

(Total for Question 7 is 2 marks)

8   Write 36 as a product of its prime factors.

....

(Total for Question 8 is 2 marks)

9   Bert has 100 cards.
There is a whole number from 1 to 100 on each card.
No cards have the same number.

Bert puts a star on every card that has a multiple of 3 on it.
He puts a circle on every card that has a multiple of 5 on it.

Work out how many cards have both a star and a circle on them.

....

(Total for Question 9 is 3 marks)

10 (a) Find the lowest common multiple (LCM) of 40 and 56

....

(2)

$A = 2^3 \times 3 \times 5$ $B = 2^2 \times 3 \times 5^2$

(b) Write down the highest common factor (HCF) of A and B.

....

(1)

(Total for Question 10 is 3 marks)

11 Find the Lowest Common Multiple (LCM) of 108 and 120

....

(Total for Question 11 is 3 marks)