

Q1 June 2018

- 6 Write down all the factors of 30

(Total for Question 6 is 2 marks)

Q2 June 2019

- 2 Write down a multiple of 8 that is between 41 and 60

(Total for Question 2 is 1 mark)

Q3 June 2022

- 3 Write down two factors of 12

(Total for Question 3 is 1 mark)

Q4 June 2022

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

.....
(Total for Question 21 is 2 marks)

Q5 June 2023

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)

12 Write down three prime numbers that are between 20 and 40

..... , ... , ...

(Total for Question 12 is 2 marks)

Q7 June 2024

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

.....

(Total for Question 22 is 2 marks)

Q8 Nov 2017

3 Write down all the factors of 18

.....
(Total for Question 3 is 2 marks)

Q9 Nov 2017

9 Nidah writes down two different prime numbers.

She adds together her two numbers.

Her answer is a square number less than 30

Find two prime numbers that Nidah could have written down.

..... , ...
(Total for Question 9 is 2 marks)

Q10 Nov 2018

15 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 15 is 3 marks)

Q11 Nov 2019

1 Write down two factors of 12

(Total for Question 1 is 1 mark)

Q12 Nov 2019

4 Here is a list of numbers.

7 8 15 16 18 22

Write down the number from the list that is a multiple of 6

(Total for Question 4 is 1 mark)

Q13 Nov 2021

2 Write down two factors of 35

.....
(Total for Question 2 is 1 mark)

Q14 Nov 2022

5 Here is a list of numbers.

5 11 18 22 29

From the list, write down a multiple of 3

.....
(Total for Question 5 is 1 mark)

Q15 Nov 2023

24 Ali buys packs of balloons and boxes of pencils.

There are 30 balloons in each pack.

There are 24 pencils in each box.

Ali buys exactly the same number of balloons and pencils.

Work out how many packs of balloons and how many boxes of pencils she could have bought.

You must show all your working.

..... packs of balloons

..... boxes of pencils

(Total for Question 24 is 3 marks)

Q16 Nov 2024

3 Write down **two** factors of 16

.....

(Total for Question 3 is 1 mark)

Q17 Nov 2024

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)