



THIRD SPACE
LEARNING

GCSE Exam Questions

Prime Numbers | Number

GCSE Exam Questions: Prime Numbers

- 1) Write down all the prime numbers between 10 and 20.

(2 marks)

- 2) (a) Find three different prime numbers that have a sum of 40.

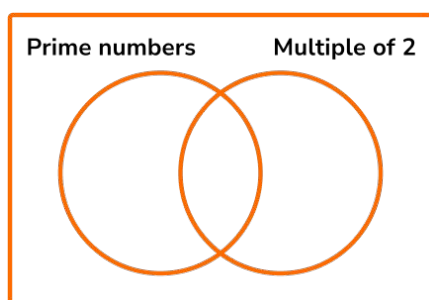
(2)

- (b) Lewis says 'all prime numbers are odd'.
Explain why Lewis is wrong.

(1)
(3 marks)

- 3) (a) Place the numbers below in the Venn diagram.

18, 53, 27, 7, 2, 28, 47



(4)

- (b) Jacob says 'the largest prime number less than thirty is 29'.
Is this true or false? Explain your answer.

(1)
(5 marks)

GCSE Exam Questions: Prime Numbers Answers

	Question	Answer	Marks
1)	Write down all the prime numbers between 10 and 20.	11, 13, 17, & 19 3 correct prime numbers identified only All 4 correct prime numbers only	(1) (1)
2) (a)	Find three different prime numbers that have a sum of 40.	(a) 2, 7 and 31 2 correct prime numbers identified only All 3 correct prime numbers only	(1) (1)
(b)	Lewis says 'all prime numbers are odd'. Explain why Lewis is wrong.	(b) Two is a prime number. It is the only even prime number.	(1)
3) (a)	Place the numbers below in the Venn diagram. 18, 53, 27, 7, 2, 28, 47 	(a) 2 placed in the middle 18 & 28 in multiples of 2 only 7, 47 & 53 in prime numbers only 27 on the outside of the Venn diagram 	(1) (1) (1) (1)
(b)	Jacob says 'the largest prime number less than thirty is 29'. Is this true or false? Explain your answer.	(b) True, because $29 = 29 \times 1$ only so it is prime and the closest integer below 30.	(1)

Where to go next?

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