



THIRD SPACE
LEARNING

GCSE Exam Questions

Factors | Number

GCSE Exam Questions: Factors

1) (a) Write down all the factors of 16.

(2)

(b) Write down all the common factors of 16 and 26.

(2)
(4 marks)

2) From the list of numbers:

3, 5, 7, 9, 11, 15, 24

(a) Write down a factor of 12.

(1)

(b) Write down a factor of 28.

(1)

(c) Write down a factor of 81.

(1)
(3 marks)

GCSE Exam Questions: Factors

- 3) Write down all the factors of 16.

12	28	64
40	18	
	100	
35	6	38

From the box above, choose two numbers that:

- (a) Have a common factor of 10.

(1)

- (b) Have a common factor of 7.

(1)
(2 marks)

- 4) Find the highest common factor (HCF) of 54 and 90.

(2 marks)

GCSE Exam Questions: Factors Answers

	Question	Answer	Marks
1) (a)	Write down all the factors of 16.	(a) 1, 2, 4, 8, 16 Any 3 correct All correct factors listed only	(1) (1)
(b)	Write down all the common factors of 16 and 26.	(b) Factors of 26: 1, 2, 13, 26 Common Factors: 1 and 2	(1) (1)
2)	From the list of numbers 3, 5, 7, 9, 11, 15, 24	(a) 3	(1)
(a)	Write down a factor of 12.		
(b)	Write down a factor of 28.	(b) 7	(1)
(c)	Write down a factor of 81.	(c) 3 or 9	(1)
3)	12 28 64 40 18 100 35 6 38 From the box above, choose two numbers that:	(a) 40 and 100	(1)
(a)	Have a common factor of 10.		
(b)	Have a common factor of 7.	(b) 28 and 35	(1)
4)	Find the highest common factor (HCF) of 54 and 90.	Factors of 54: 1, 2, 3, 6, 9, 18, 27 and 54 Factors of 90: 1, 2, 3, 5, 6, 9, 10, 15, 18, 30, 45 and 90 Any 4 correct factors HCF = 18	(1) (1)

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