

# Key stage 2

## Mathematics

### Paper Multiplication and Division Vocabulary

First name						
Middle name						
Last name						
Date of birth	Day		Month		Year	
School name						
DfE number						

## Instructions

You **must not** use a calculator to answer any questions in this test.

## Questions and answers

You have **30 minutes** to complete this test.

Work as quickly and as carefully as you can.

Put your answer in the box for each question.

A 10x10 grid with a blue rectangle in the center. The rectangle is 4 units wide and 2 units high, spanning from the 3rd to the 7th column and the 4th to the 5th row.

All answers should be given as a single value.

Follow the instructions for each question.

Work as quickly and as carefully as you can.

If you need to do working out, you can use the space around the question.

Do not write over any barcodes.

**Some questions have a method box like this:**

Show  
your  
method

For these questions, you may get a mark for showing your method.

1 What is a factor?

A number that can be multiplied with another number to give you the amount

---

1 mark

2 What are the factor of 18?

1, 18, 2, 9, 3, 6

---

1 mark

3 Which of these numbers is a common factor of 18 and 24?  
Circle the correct answer.

4

5

6

8

9

1 mark

4 What is a prime number?

A number whose only factors are 1 and itself

---

1 mark



5

Which of the following lists of numbers would go into the empty box in this sorting diagram? Circle the correct answer.

	Prime	Not Prime
Even	2	4, 10, 12, 28
Odd	7, 11, 13, 19	

- A) 3, 5, 9, 11  
B) 5, 8, 12, 14

- C) 3, 11, 27, 31  
D) 9, 15, 21, 33

6

What is the sum between all the prime number between 1 and 10? 16

1 mark

1 mark

7

Tick the box that best matches the definition for what a multiple is.

☐

Multiples of two numbers that are the same.

☒

A number in another number's times table.

☐

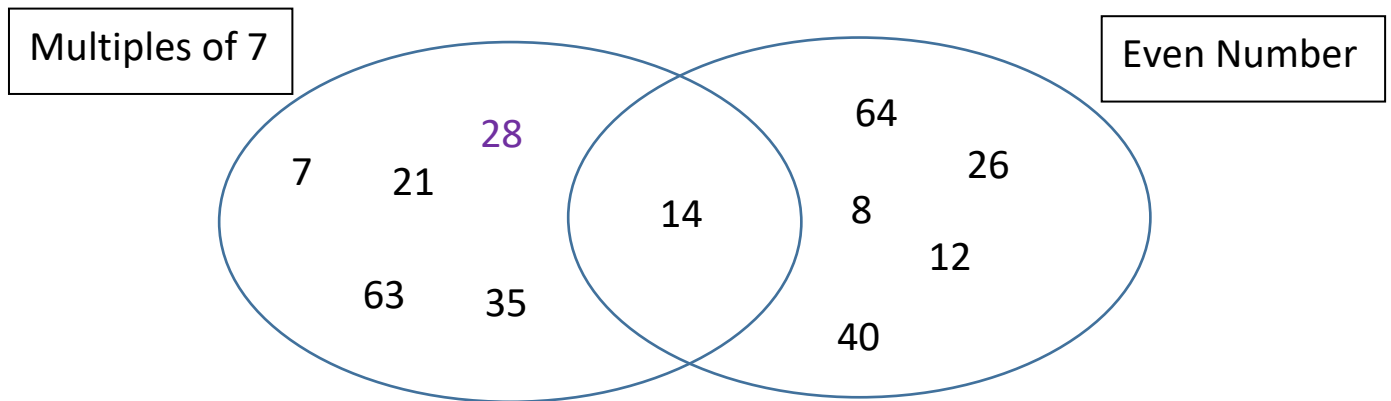
A number that divides exactly into another number.

☐

A number with more than two factors.

1 mark

- 8 Which number is in the wrong place in the Venn diagram?  
Circle the number which is in the wrong place and then re write it in the correct place.



1 mark

- 9 Amy is  $4^2$  years old and her grandma is  $9^2$  years old.  
What is the difference between their ages? 65

Show your method

2 marks

10

&gt;

=

&lt;

Write the correct symbol in each box to make the statements correct.

&gt;

 $5^3$  $9^2$ 

&lt;

 $3^3$  $6^2$ 

&lt;

 $7^2$  $4^3$ 

&gt;

 $10^3$  $15^2$ 

2 marks

11

Put a number less than 30 in each box to make the statement correct.

Square Number

Prime number

Square Number

9

+

7

=

16

2 marks

12

Ellie thinks that 9 is a composite number.

Prove whether she is correct or incorrect

Ellie is right: a composite number is a number that is not prime and 9 is not prime as its factors are 1, 9 and 3.

2 marks