

1

Look at the function machine and table below.



In	Out
4	20
7	
	92

The first row is done: In = 4, Out = 20.

Which option shows both missing values in the table correctly?

- A Out=35, In=10 B Out=47, In=12 C Out=47, In=10 D Out=35, In=12 E Out=63, In=12

2

Look at the question below. It relates to the properties of two different 3D shapes.

The sum of the number of faces on a triangular based pyramid and the number of edges on a triangular prism is ____.

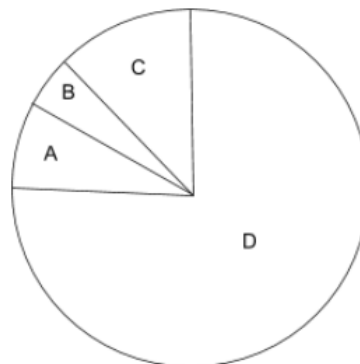
What is the correct value for the sum?

- A 9 B 11 C 13 D 15 E 17

3

The following table and pie chart represent the different ingredients in a cake.

Substance	Percentage of sponge cake	Section of Pie Chart
Flour	13%	
Sugar	75%	
Butter	7%	
Other	5%	

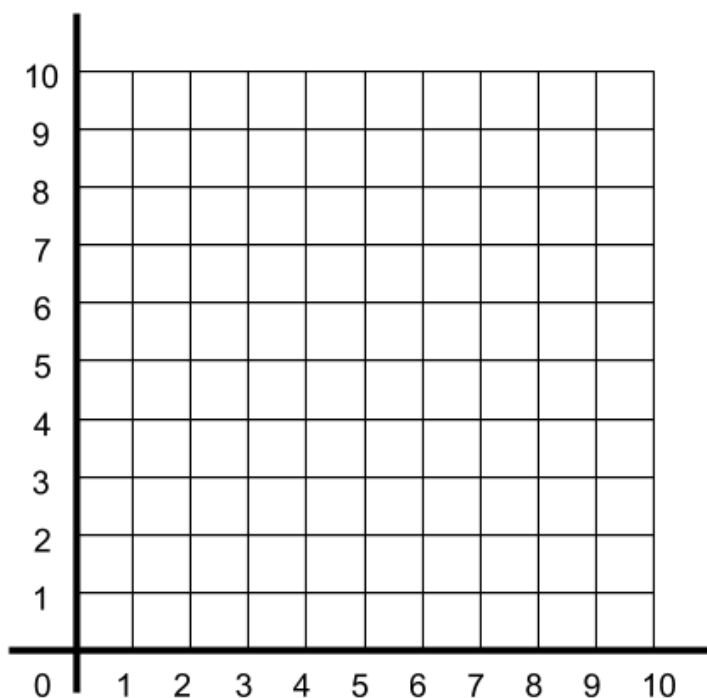


Which option shows the correct letters for the ingredients (from top to bottom in the table)?

- A ABCD B CDAB C DCBA D CABD E BCDA

4

Plot the points (3, 6), (6, 3), (9, 6) and (6, 9) on the grid above. These are the corners of a quadrilateral.



Which option names the quadrilateral correctly?

- A Rectangle B Rhombus C Parallelogram D Square E Kite

For question 5, **write your answer** in the space provided below.

5

How many degrees are there in three and one fifth of a turn?

Write your answer in the space below.

_____°

In this exercise there are some **spelling** mistakes. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **mark its letter on your answer sheet**. If there is no mistake, mark **N**.

Spelling Exercise

- 1 The mountain climber maid a thorough assessment of the route before setting off at dawn to the summit.
A B C D
- 2 The enthusiastic volunteers spent the whole afternoon tidying the community garden. It was a damaged by vandals.
A B C D
- 3 The professional athlete had an extrodinary talent for sprinting over long distances. They were able to endure a lot of suffering.
A B C D
- 4 The exhausted surgeon completed the delicate procedure with great skill and precission. The family thanked him for his efforts.
A B C D
- 5 The jounalist wrote a detailed article about the fascinating discovery in the caves. It was the first of its kind in this field.
A B C D

Answers

Maths

- 1) B Out = 47, In = 12
- 2) C 13
- 3) B CDAB
- 4) D Square
- 5) 1152°

English

- 1) A made
- 2) N
- 3) B extraordinary
- 4) C precision
- 5) A journalist