

1 A pupil applies the rule 'Add 4 to the previous number, then multiply by 3'.
The first number is 2 and the third number is 66.

What is the second number in the sequence?

- A** 12 **B** 14 **C** 16 **D** 18 **E** 22
-

2 A group of friends each have a starter costing £5 and a main course costing £13.
The total bill is £432.

How many people are in the group?

- A** 19 **B** 21 **C** 24 **D** 27 **E** 32
-

3 A hiker faces north.
They turn 80° anticlockwise, then one quarter of a turn clockwise.

Through what acute angle must the hiker now turn anticlockwise to face north again?

- A** 5° **B** 10° **C** 15° **D** 20° **E** 25°
-

4

A rubber is shaped like a cuboid. It measures 7 mm by 8 mm by 0.6 mm.

What is the volume of the rubber?

- A** 15.6 mm³ **B** 22.4 mm³ **C** 33.6 mm³ **D** 42.0 mm³ **E** 56.0 mm³

For question 5, you have to **write your answer** in the space provided in the question.

5

Sam asks 30 people in a survey how many pairs of shoes they own. The results are shown in the table below.

Number of pairs of shoes	Number of people
0	2
1	5
2	9
3	8
4	4
5 or more	2

Sam picks a person at random. Events A, B, C and D are:

- A: exactly 3 pairs
 B: exactly 2 pairs
 C: fewer than 3 pairs
 D: more than 2 pairs

Put the events in order from least likely to most likely.

_____ (Least Likely)

_____ (Most likely)

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 A magnificent golden statue stood at the entrance to the ancient temple in the heart of the old city in front of the river.

A B C D

2 The travel agent recommended booking well in advance to secure comfortable accomodation during the festival season.

A B C D

3 The dedicated teacher wrote detailed feedback on every exercise book before handing the work back to her students on Friday.

A B C D

4 The excited children ran down the steep hill towards the beach, knowing they would definately reach it before dark.

A B C D

5 The doctor asked the patient to remain concious during the brief surgical procedure by focusing on their breathing.

A B C D

Answers

Maths

- 1) D 18
- 2) C 24
- 3) B 10°
- 4) C 33.6 mm^3
- 5) ABDC

English

- 1) A magnificent
- 2) C accommodation
- 3) N
- 4) D definitely
- 5) B conscious