

1

$$2 \quad (+4) = 6$$

$$(\times 3) = 18$$

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

$$\begin{array}{r} 13 \\ + 5 \\ \hline 18 \end{array}$$

$$\begin{array}{r} 024 \\ 9 \overline{) 216} \\ \underline{18} \\ 36 \\ 9 \overline{) 432} \\ \underline{18} \\ 252 \\ \underline{18} \\ 72 \\ \underline{18} \\ 0 \end{array}$$

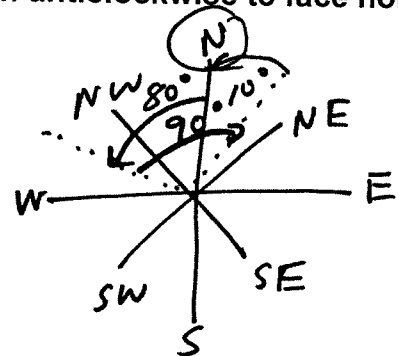
$$\begin{array}{cc} 18 & 18 \\ \swarrow \searrow & \swarrow \searrow \\ 3 & 6 & 2 & 9 \end{array}$$

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?

$$7 \times 8 \times 0.6$$

$$56 \times 0.6$$

$$\begin{array}{r} 56 \\ \times 0.6 \\ \hline 33.6 \end{array}$$

A 15.6 mm³B 22.4 mm³C 33.6 mm³D 42.0 mm³E 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

$$9 + 5 + 2 = 16$$

$$8 + 4 + 2 = 14$$

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

A: exactly 3 pairs 8B: exactly 2 pairs 9C: fewer than 3 pairs 16D: more than 2 pairs 14

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

A
(Least Likely)

B

D

C
(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 magnificent
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
accommodation

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 N

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

5 The doctor asked the patient to remain concious during the brief surgical procedure by focusing on their breathing.
A B C D
conscious