

1

Each edge of a cube has a length of 5 cm.

a) What is the total surface area of the cube?

A 25 cm² **B** 75 cm² **C** 125 cm² **D** 150 cm² **E** 300 cm²

b) What is the total length of all the edges of the cube?

A 20 cm **B** 40 cm **C** 60 cm **D** 100 cm **E** 120 cm

2

A number is missing from the statement below.

If $7 \div L = 4$ then $21 \div L = ?$

What is the missing number?

A 7 **B** 9 **C** 10 **D** 12 **E** 14

3

Look at the statements below.

39 is a square number.

200 is a cubed number.

36 is a triangular number.

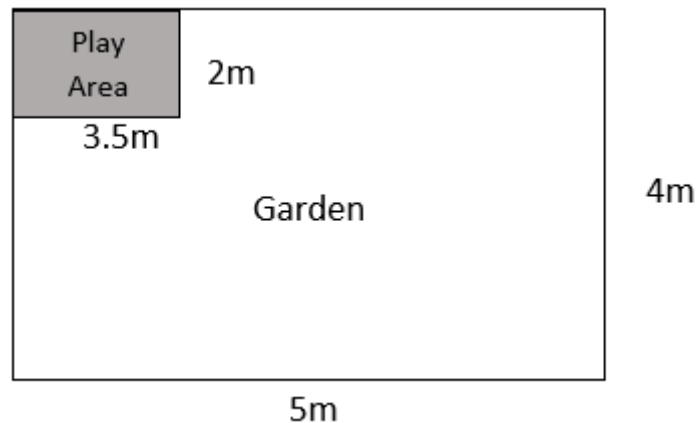
All prime numbers are odd.

Which row correctly shows True (T) / False (F) for each statement?

A T, F, T, T **B** F, F, T, F **C** F, T, F, T **D** T, T, F, F **E** F, F, F, T

4

The diagram below shows the plan of a garden. The length of the garden is 4 m and the width is 5 m. The shaded region is a play area of length 2 m and width 3.5 m. The rest of the garden is grass.



a) What is the total area of the garden?

A 7 m² B 14 m² C 20 m² D 28 m² E 35 m²

b) What percentage of the garden is grass?

A 30% B 35% C 50% D 65% E 70%

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

5

Two angles in a triangle are 25° and 130°.

What type of triangle is this?

In this exercise you have to choose the **best** word, or **group of words**, to complete each numbered line so that the sentence makes sense and is written in correct English. Choose the best answer and **mark its letter on your answer sheet**.

Grammar Exercise

1

The detective arrive arrives had arrived arriving will arrive
A B C D E
at the scene of the crime long before the police arrived.

2

The expedition was abandoned, while unless since yet despite
A B C D E
the weather had made the mountain too dangerous to climb.

3

The surgeon operated precise precision preciseness precisely more precise
A B C D E
throughout the long procedure, never making a single mistake.

4

Few Every Each Much Little of the answers on the test paper
A B C D E
were correct, which disappointed the teacher.

5

The mountaineer reached the height highly heighten highest higher
A B C D E
peak of the volcano just as the sun began to rise.

Answers

Maths

1. a) D 150 cm^2 b) C 60 cm
2. D 12
3. B (F, F, T, F)
4. a) C 20 m^2 b) D 65%
5. Isosceles

English

1. C
2. C
3. D
4. A
5. D