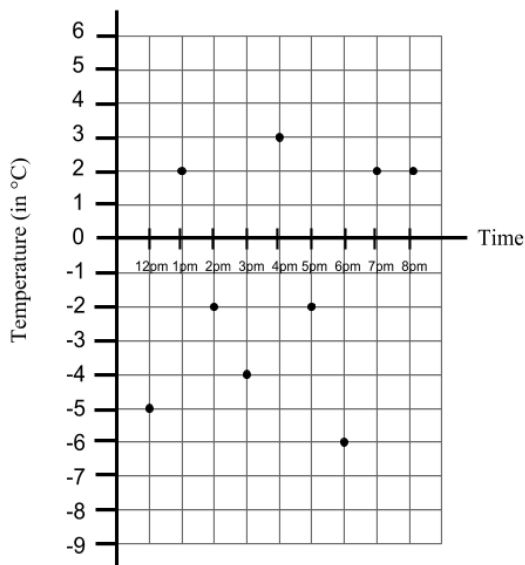


- 1 A square number can be added to a prime number to make 18.
One way is $1 + 17 = 18$.
- What other square number can be added to a prime number to make 18?**
- A $4 + 14$ B $16 + 2$ C $9 + 9$ D $25 + (-7)$ E $36 + (-18)$

- 2 An athlete takes $2\frac{1}{2}$ minutes to run 400 metres at a steady speed.
- How long would it take the athlete to run 1.6 kilometres at the same steady speed?**
- A 8 minutes B 10 minutes C 12 minutes D 6 minutes E 15 minutes

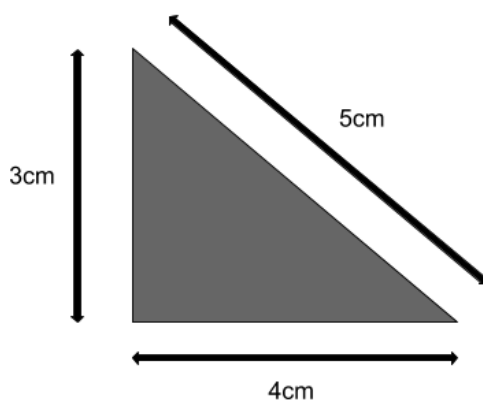
- 3 The temperature is recorded every hour from 12pm to 8pm.
The results are shown in the graph below.



- What is the difference between the highest and lowest temperature recorded?**
- A 7°C B 9°C C 11°C D 5°C E 13°C

4

Look at the triangle below.



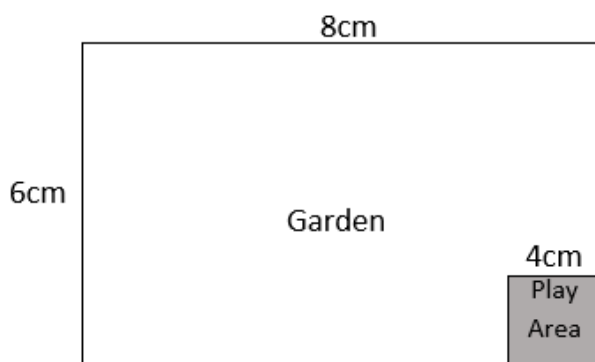
What is the area of the triangle?

- A 30cm^2 B 24cm^2 C 6cm^2 D 12cm^2 E 18cm^2

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

5

Look at the plan of a garden below.



On the plan, 1 centimetre represents 4 metres.
The garden is rectangular and the play area in one corner is square.

What is the actual perimeter of the part of the garden which is covered with grass?

_____ metres

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 scientist carefully tried to sepearate the two chemical compounds using a special filter during the experiment.

A B C D

2 The young traveller packed only the most necessary items in her rucksack before setting off on the long hiking trail.

A B C D

3 The librarian carefully arranged the new books on the shelves so that every pupil could find what they were looking for.

A B C D

4 The head chef was delighted to recieve a five-star review from the newspaper critic who had visited the restaurant the previous evening.

A B C D

5 A serious computer error occured during the online examination, which meant that several students had to restart their tests from the beginning.

A B C D

Answers

Maths

- 1) B $16 + 2$
- 2) B 10 minutes
- 3) B 9°C
- 4) C 6cm^2
- 5) 112m

English

- 1) B separate
- 2) C necessary
- 3) N
- 4) B receive
- 5) A occurred