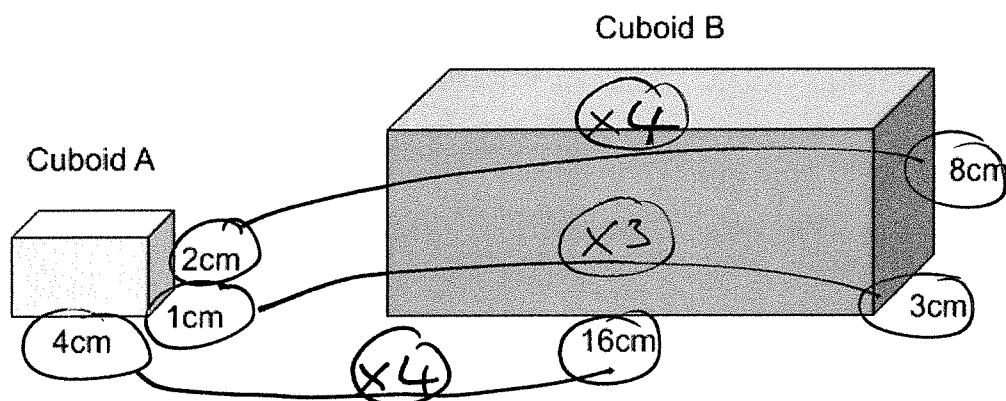


1



How many cuboid As can fit into cuboid B? $4 \times 3 \times 4 = 48$
12

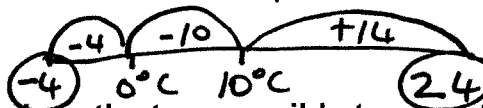
- A 24 B 36 C 42 **D 48** E 60

2

The temperature in Berlin is 10°C .

The difference between the temperature in Berlin and Madrid is 14°C .

There are two possible values for the temperature in Madrid which fit these facts.



Which pair correctly gives the two possible temperatures in Madrid?

- A -4°C , 24°C** B 4°C , 24°C C -4°C , 14°C D 10°C , 24°C E -4°C , 20°C

3

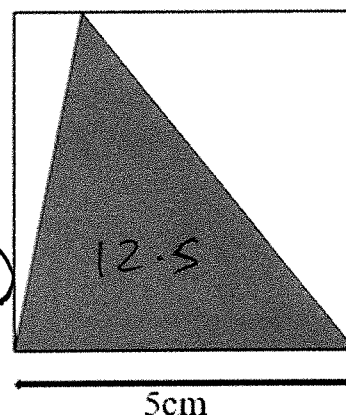
Look at the diagram.

A triangle has been drawn inside a square.

Each side of the square has length 5 cm.

What is the area of the triangle?

$$5 \times 5 = 25 \quad 2 \overline{) 25.0} \quad \begin{matrix} 5\text{cm} \\ 12.5 \end{matrix}$$



- A 6.25 cm^2 B 10 cm^2 **C 12.5 cm^2** D 15 cm^2 E 25 cm^2

4

Look at the three statements below.



A quadrilateral can contain one reflex angle. *True*

A triangle can contain two right angles. *False*

A quadrilateral can contain four acute angles. *False*

T F F

Which row correctly shows TRUE (T) or FALSE (F) for each statement?

A T, T, F

B T, F, T

C T, F, F

D F, T, F

E F, F, T

For question 5, you have to **write your answers** in the spaces provided in the question.

5

A teacher has number cards in front of him from 1–20.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

Look at the following statements. Write True or False in the spaces below.

40% of the numbers are prime numbers. *40% True ✓*

Handwritten notes for 40%: 1 2 3 4 5 6 7 8, 2, 3, 5, 7, 11, 13, 17, 19. $\frac{8}{20} = \frac{40}{100} = 40\%$

20% of the numbers are triangular numbers. *25% False ✗*

Handwritten notes for 20%: 1 2 3 4 5, 1, 3, 6, 10, 15. $\frac{5}{20} = \frac{25}{100} = 25\%$

25% of the numbers are factors of 16. *25% True ✓*

Handwritten notes for 25%: 1, 16, 2, 8, 4. $\frac{5}{20} = \frac{25}{100} = 25\%$

10% of the numbers are multiples of 7. *10% True ✓*

Handwritten notes for 10%: 7, 14. $\frac{2}{20} = \frac{10}{100} = 10\%$

In this exercise there are some mistakes with **punctuation** or use of **capital letters**. On each numbered line there is either **one** mistake or **no** mistake. Find the group of words with the mistake in it and **circle its letter below**. If there is no mistake, mark **N**.

Punctuation Exercise

1

The explorer's equipment was carefully checked by the expert of the group before the expedition into the amazon jungle began.

A B C D

2

She bought apples, oranges, pears and grapes from the market stall near the town centre for her childrens school lunches.

A B C D

3

Dark clouds gathered on the horizon, warning the sailors of the approaching storm, which had the potential to smash their boat to pieces.

A B C D

N

4

"Have you ever been to the museum at the end of our street," the teacher asked the class as they walked down the street in London.

A B C D

?

5

The ancient Romans built many roads; they allowed soldiers to march quickly across the empire to solve any issues quickly and efficiently.

A B C D

N