

Daily 5: Day 77

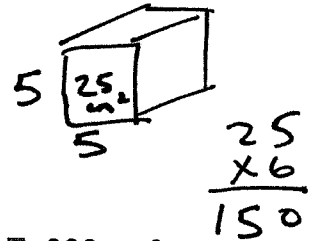
Name: _____

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?

$$12 \times 5 = 60$$

- 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 $21 \div L = ?$

Handwritten solution: $7 \div L = 4 \implies L = 7 \div 4 = 1.75$ (circled 4). Then $21 \div 1.75 = 12$ (circled 12). Arrows with 'x3' connect the 4 and 12.

What is the missing number?

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

3

Look at the statements below.

F 39 is a square number. X

F 200 is a cubed number. X

T 36 is a triangular number. ✓

F All prime numbers are odd. X

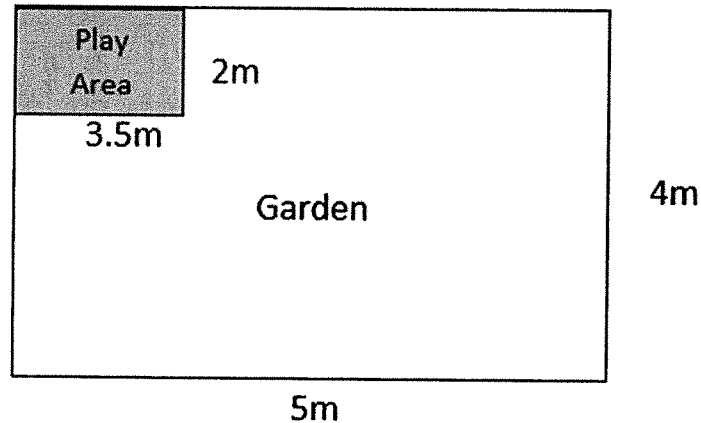
1, 3, 6, 10, 15, 21, 28, **36**

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, F, F~~ E ~~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? $4 \times 5 = 20$

A 7 m^2 B 14 m^2 C 20 m^2 D 28 m^2 E 35 m^2

b) What percentage of the garden is grass?

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

$$\begin{array}{r} 3.5 \\ \times 2 \\ \hline 7.0 \end{array} \quad \begin{array}{r} 20 \\ - 7 \\ \hline 13 \end{array} \quad \begin{array}{r} 13 \\ \times 5 \\ \hline 65 \end{array}$$

$$\begin{array}{r} 13 \\ \times 5 \\ \hline 65 \end{array} \quad \begin{array}{r} 13 \\ \times 5 \\ \hline 65 \end{array}$$

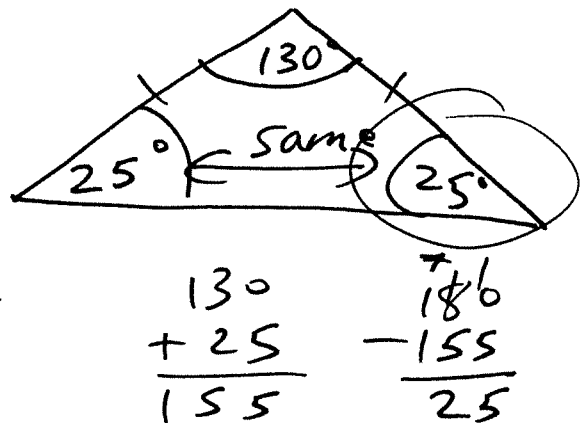
For question 5, you have to write your answer in the space provided in the question.

5

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

What type of triangle is this?

Isosceles



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.