

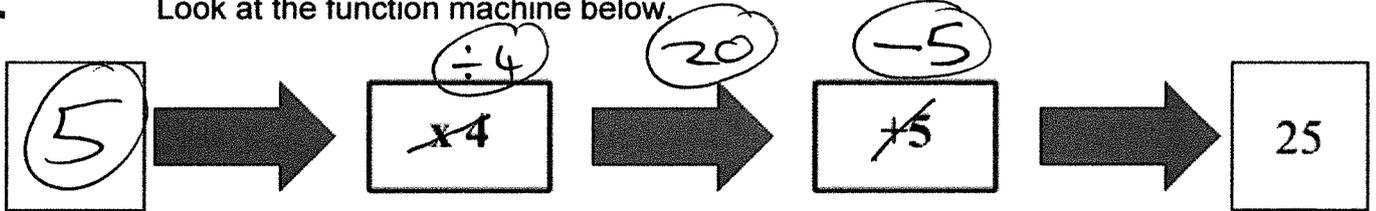
1

What is 12:29 am as a 24-hour clock time?

- A 12:29    B 2:29    C 12:29am    **D 00:29**    E 14:29

2

Look at the function machine below.



What is the missing starting number in this function machine?

- A 5**    B 120    C 80    D 7.5    E 34

3

A gymnast completes a somersault which is two and a half revolutions.

How many degrees is this in total?

- A 720°    B 540°    C 180°    D 360°    **E 900°**

$1 = 360$

$2 \overline{) 360}$

$2 \times 360 = 720 + 180 = 900$

$720 = 2$   
 $+ 180 = \frac{1}{2}$   
 $\hline 900$

4

12 is 24 % of  $\frac{12 \times 2}{50} = \frac{24}{100}$

What number need to be inserted in the space above that makes the statement true?

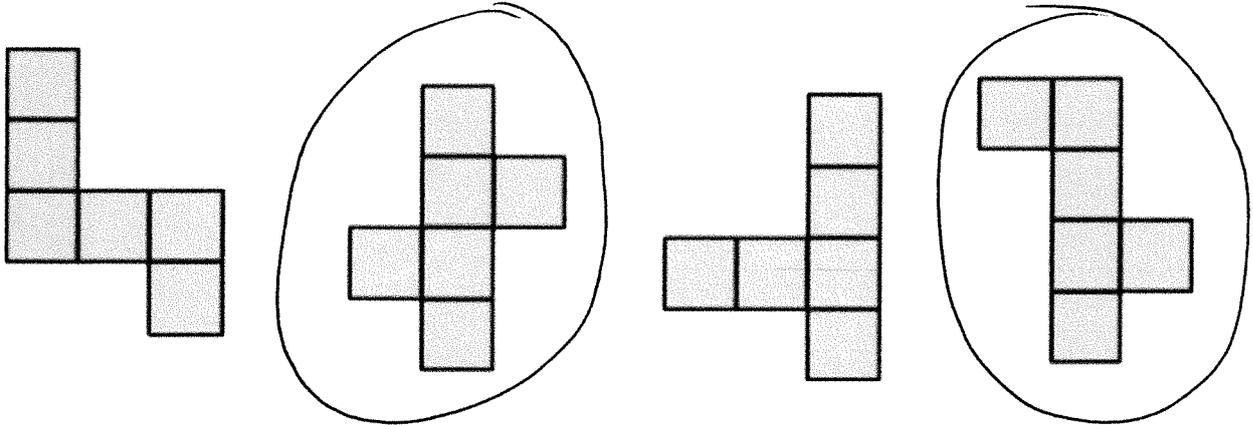
- A 4    **B 24**    C 62    D 28    E 25

For question 5, you have to **draw your answer** on the question.

5

Look at the nets of cubes below.

**Circle all the nets that would fold to make a complete cube.**



Read the **whole** passage carefully, then answer the questions that follow.

### Rare and Beautiful Blooms

1. One of the rarest flowering plants in the world, the Snowdonia hawkweed, grows wild
2. only in Snowdonia National Park in northern Wales. The region is rocky and
3. mountainous, and the air is cool and damp. The Snowdonia hawkweed prefers this
4. habitat. In fact, it grows nowhere else in the world. It is even picky about where it
5. grows in the park. (3)
6. Snowdonia hawkweed is about 11 inches tall. Its bright yellow blossoms have thin
7. petals with ragged edges. The Snowdonia hawkweed may not be the most beautiful
8. plant in the world, but it is a favourite snack of sheep. (3)
9. In 1953, the Snowdonia hawkweed disappeared. People feared that the plant was
10. gone forever. They believed that sheep grazing on the land had eaten the last few
11. plants. So, the people who ran the park removed the sheep from the area, hoping
12. that the hawkweed might return. Forty-nine years later, a group of plant scientists (2)
13. found the yellow flowers blooming in one spot in the park. The hawkweed had
14. returned!
15. Scientists collected seeds from the plant in case it disappeared again. But since
16. 2002, the rare plant has continued to bloom in the park.

**1** Which phrase best describes the climate of Snowdonia National Park?

- A Cold and snowy.
- B Hot and dry.
- C Cool and damp.
- D Warm and windy.
- E Cloudy and humid.

**2** Which group of people would probably care most if Snowdonia hawkweed disappeared?

- A Scientists who study plants.
- B Farmers who graze their sheep in the mountains.
- C Scientists who study rare birds and insects.
- D Visitors who enjoy hiking in the mountains.
- E Snowdonia and her children.

3 From the passage, you can conclude that Snowdonia hawkweed...

- A is the most beautiful plant in the world.
- B grows like a weed in Northern Wales.
- C will never be seen again in the wild.
- D is used to make important medicines.
- E was always rare.

4 Which adjective best describes how people felt when Snowdonia hawkweed was found in 2002?

- A Curious
- B Disappointed
- C Concerned
- D Thrilled
- E Exhausted

5 How tall is Snowdonia Hawkweed?

- A Between 0 and 20 cm.
- B Between 20 and 40 cm.
- C Between 40 and 60 cm.
- D Between 60 and 80 cm.
- E Between 80 and 100 cm.