

Daily 5: Day 117 Name: _____

1

Look at the function machine below. The end number is missing in this function machine.



What is the correct number in the blank box?

- A 15 B 105 C 90 D 108 E 111

2

Look at the function machine below. The starting number is missing in this function machine.

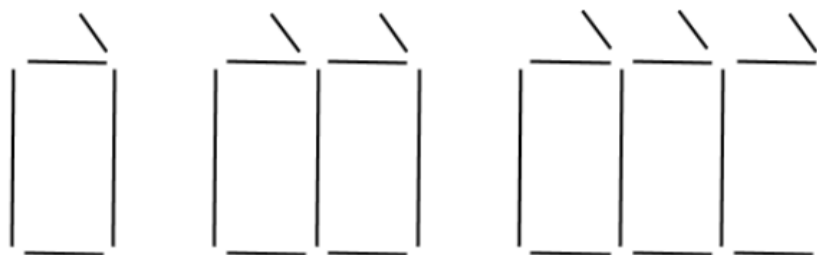


What is the missing starting number?

- A 9 B 10 C 13 D 12 E 11

3

John is making patterns from sticks. The first three patterns are shown below.



Pattern 1

Pattern 2

Pattern 3

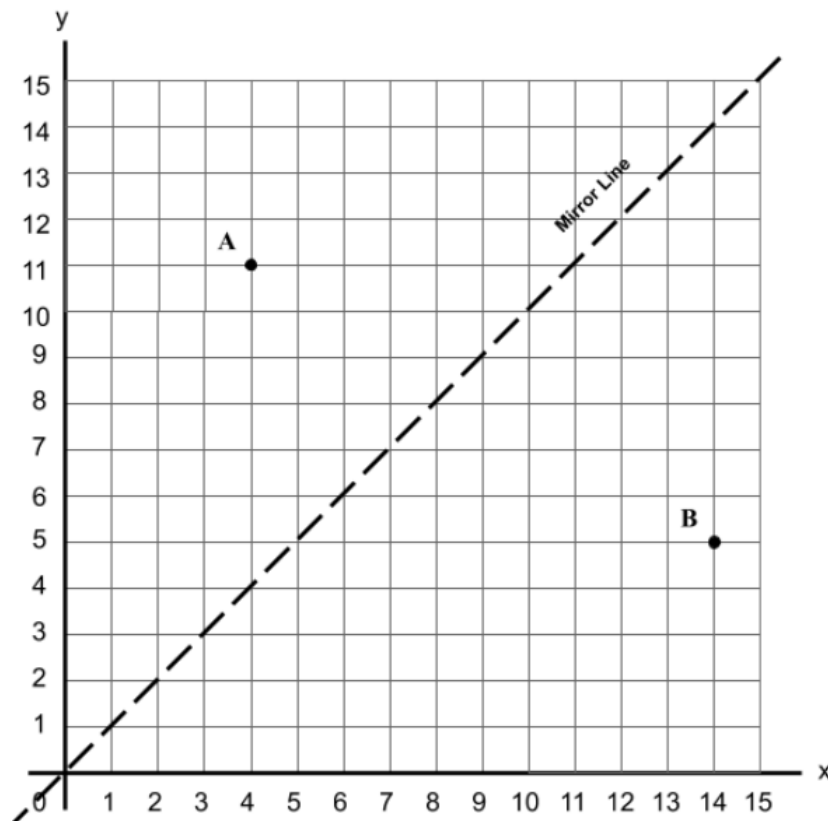
Pattern 1 uses 5 sticks, Pattern 2 uses 9 sticks and Pattern 3 uses 13 sticks.

How many sticks does John need to make Pattern 9?

- A 33 B 36 C 41 D 37 E 45

4

In the figure below there are two points A and B. There is also a mirror line. A is the point (4, 11).



The point A is reflected in the mirror line.

What are the coordinates of the new point?

A (4, 5) **B** (5, 14) **C** (11, 4) **D** (14, 5) **E** (14, 11)

5

A piece of ribbon is 8.8 m long. It is cut into 16 equal pieces.

How long is each piece of ribbon?

_____ cm

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 Before the train arrived, the passengers
A B C D
 on the cold platform for almost an hour.
E

2 The pianist performed the difficult concert
A B C
 despite her obvious nerves.
D E

3 There were
A B C D E
biscuits left in the tin, so nobody could have seconds.

4 The scientist
A B C D E
discovery transformed medicine received a major award.

5 We set off at dawn
A B C D E
the mountain roads would be quieter early in the morning.

Answers**Maths**

1. B 105
2. E 11
3. D 37
4. C (11, 4)
5. 55 cm

English

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