

Q3 (Pattern) Day 117 Name: _____

1. Ruth is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **4 sticks**.

Pattern 2 uses **7 sticks**.

Pattern 3 uses **10 sticks**.

How many sticks does Ruth need to make **Pattern 6**? Write your answer in the space below.

_____ sticks

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



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **4 sticks**.

Pattern 2 uses **6 sticks**.

Pattern 3 uses **8 sticks**.

How many sticks does John need to make **Pattern 8**? Write your answer in the space below.

_____ sticks

3. Grace is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **3 sticks**.

Pattern 2 uses **6 sticks**.

Pattern 3 uses **9 sticks**.

How many sticks does Grace need to make **Pattern 10**? Write your answer in the space below.

_____ sticks

4. Sam is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **4 sticks**.

Pattern 2 uses **7 sticks**.

Pattern 3 uses **10 sticks**.

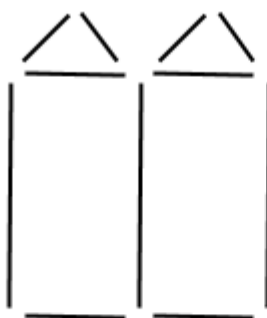
How many sticks does Sam need to make **Pattern 8**? Write your answer in the space below.

_____ sticks

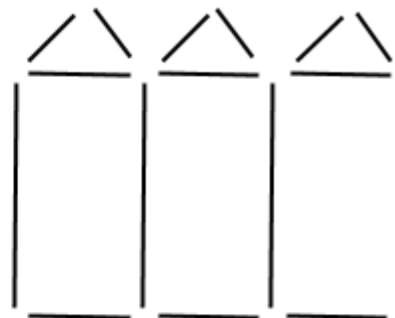
5. Jen is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **6 sticks**.

Pattern 2 uses **11 sticks**.

Pattern 3 uses **16 sticks**.

How many sticks does Jen need to make **Pattern 7**? Write your answer in the space below.

_____ sticks

6. Max is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **6 sticks**.

Pattern 2 uses **9 sticks**.

Pattern 3 uses **12 sticks**.

How many sticks does Max need to make **Pattern 9**? Write your answer in the space below.

_____ sticks

7. Gemma is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **8 sticks**.

Pattern 2 uses **11 sticks**.

Pattern 3 uses **14 sticks**.

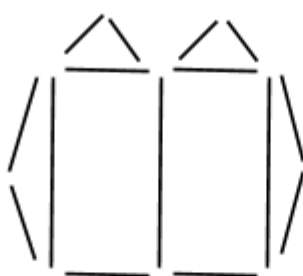
How many sticks does Gemma need to make **Pattern 6**? Write your answer in the space below.

_____ sticks

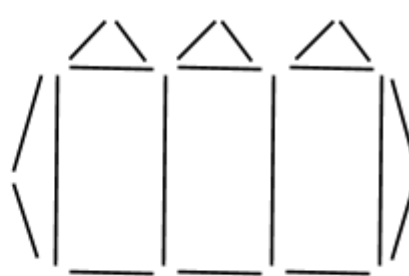
8. Barney is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **10 sticks**.

Pattern 2 uses **15 sticks**.

Pattern 3 uses **20 sticks**.

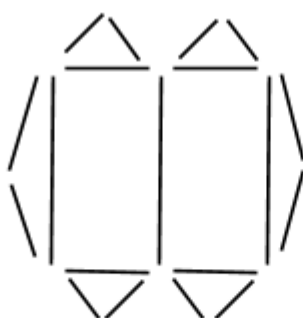
How many sticks does Barney need to make **Pattern 10**? Write your answer in the space below.

_____ sticks

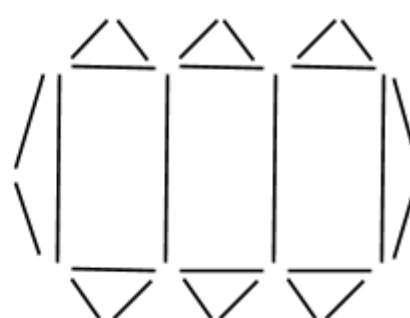
9. Anne is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **12 sticks**.

Pattern 2 uses **19 sticks**.

Pattern 3 uses **26 sticks**.

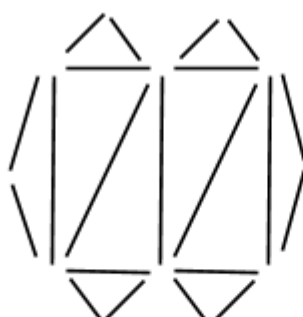
How many sticks does Anne need to make **Pattern 7**? Write your answer in the space below.

_____ sticks

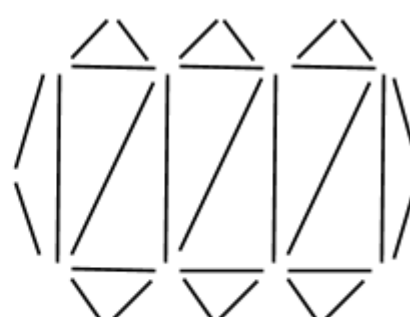
10. Patrick is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **13 sticks**.

Pattern 2 uses **21 sticks**.

Pattern 3 uses **29 sticks**.

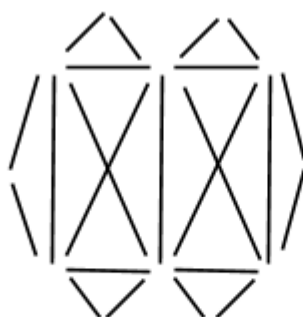
How many sticks does Patrick need to make **Pattern 7**? Write your answer in the space below.

_____ sticks

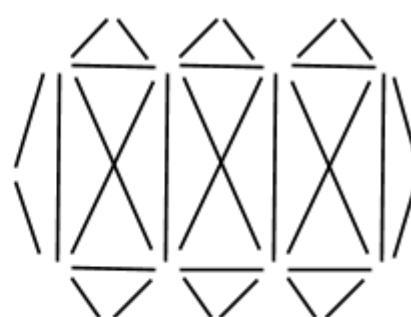
11. Isla is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **14 sticks**.

Pattern 2 uses **23 sticks**.

Pattern 3 uses **32 sticks**.

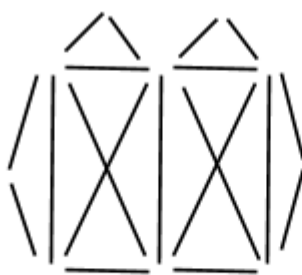
How many sticks does Isla need to make **Pattern 8**? Write your answer in the space below.

_____ sticks

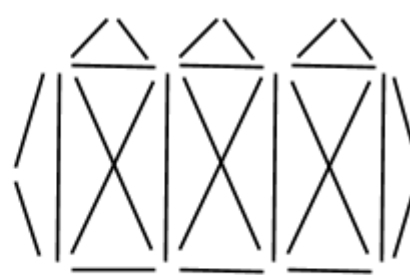
12. Michael is making patterns from sticks. The **first three patterns** are shown below.



Pattern 1



Pattern 2



Pattern 3

Pattern 1 uses **12 sticks**.

Pattern 2 uses **19 sticks**.

Pattern 3 uses **26 sticks**.

How many sticks does Michael need to make **Pattern 9**? Write your answer in the space below.

_____ sticks

Answers**1. 19****2. 18****3. 30****4. 25****5. 36****6. 30****7. 23****8. 55****9. 54****10.61****11.77****12.68**