Year 2 maths: Growing patterns (Easy)

Maths · Patterns and algebra
Level: Easy

Student: _____ Date: _____

Instructions
- There are 10 questions. Read each one carefully.
- Write your answers on this paper. Use the space under a question to work it out.
- A grown-up can read a question aloud — that's fine.
- The answers are at the end. Check them together when you have finished.

Questions

1. What number is added each time? 5, 7, 9, 11

Answer: ☐

5 , 7 , 9 , 11

Working:

2. What number comes next? 5, 10, 15, 20, ___

Answer: ☐

5 , 10 , 15 , 20 , ☐

Working:

3. How many blocks will Step 4 have?

Answer: ☐

Step 1

Step 2

Step 3

Working:

4. Mila collects shells. After day 1 she has 10 shells. After day 2 she has 20. After day 3 she has 30. If she keeps going the same way, how many shells will she have after day 4?

Answer: ☐ shells

Working:

5. Which patterns add 2 each time? Tick every one.

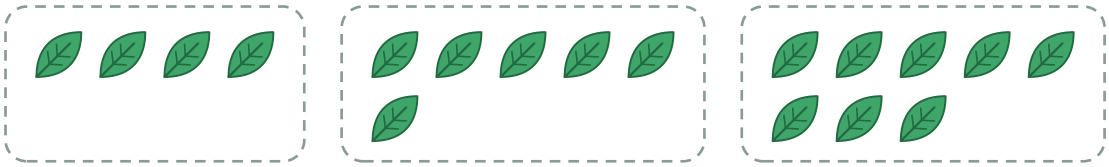
Tick every answer that fits.

☐ **A** 1, 3, 5, 7 ☐ **B** 3, 4, 5, 6 ☐ **C** 10, 12, 14, 16

☐ **D** 5, 10, 15, 20

6. How many leaves will Step 4 have?

Answer: ☐ leaves



Step 1 **Step 2** **Step 3**

Working:

7. What number comes next? 22, 24, 26, 28, ___

Answer: ☐

22 , **24** , **26** , **28** , ☐

Working:

8. What is the rule? 41, 46, 51, 56

Circle one answer.

41 , **46** , **51** , **56**

○ **A** Add 1 ○ **B** Add 5

○ **C** Add 10

9. What number comes next? 50, 40, 30, ___

Answer:

50 , 40 , 30 , ☐

Working:

10. What is the rule? 12, 11, 10, 9

Circle one answer.

12 , 11 , 10 , 9

- ○ **A** Add 1
- ○ **B** Take away 9
- ○ **C** Take away 1

Answer key

Year 2 maths: Growing patterns (Easy) · Sheet 784182

1. 2

5 to 7 is a jump of 2. 7 to 9 and 9 to 11 are jumps of 2 too. The rule is add 2.

2. 25

The pattern adds 5 each time. 20 + 5 = 25.

3. 8

2, 4, 6: each step has 2 more blocks. Step 4 has 6 + 2 = 8.

4. 40 shells

She gets 10 more each day: 10, 20, 30, 40.

5. A — 1, 3, 5, 7; C — 10, 12, 14, 16

1, 3, 5, 7 and 10, 12, 14, 16 jump by 2 each time. 3, 4, 5, 6 jumps by 1, and 5, 10, 15, 20 jumps by 5.

6. 10 leaves

4, 6, 8: each step has 2 more leaves. Step 4 has 8 + 2 = 10.

7. 30

The pattern adds 2 each time. 28 + 2 = 30.

8. B — Add 5

41 to 46 is a jump of 5, and so is every other jump. The rule is add 5.

9. 20

The pattern goes back by 10 each time. 30 − 10 = 20.

10. C — Take away 1

Each number is 1 less than the one before. The rule is take away 1.