

Y2 Patterns and Sequences

KS1 Y2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

What comes next? red, blue, red, blue, red, ...

Step 1 · Find the part that repeats

red, blue

Step 2 · The last colour was red

Next is blue

Answer: Blue

Check: red, blue | red, blue | red, blue ✓

2. Now try one with the steps

What comes next? ▲ ▲ ● ▲ ▲ ● ▲ ...

Step 1 · The repeating part is 3 long

Step 2 · We are part-way through: ▲ has been drawn

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. What comes next? circle, square, circle, square, ...

2. What comes next? 1, 2, 1, 2, 1, ...

3. What comes next? red, red, yellow, red, red, ...

4. How long is the repeating part in: cat, dog, fish, cat, dog, fish?

5. What comes next? 5, 10, 15, 20, ...

6. What comes next? A, B, C, A, B, C, A, ...

7. What comes next? up, down, up, down, ...

8. What comes next? 30, 25, 20, 15, ...

9. In the pattern star, moon, star, moon, ... what is the 8th picture?

10. In the pattern red, blue, green, red, blue, green, ... what is the 7th colour?

11. Fill the gap: square, triangle, __, square, triangle, circle

12. What comes next? 2, 4, 6, 8, ...

13. An arrow points up. It makes a quarter turn clockwise. Which way does it point now?

14. Maya makes a pattern of 12 beads: blue, white, blue, white... How many blue beads does she use?

4. Before you hand it in

Only looking at the last item to guess what comes next.

Find the whole part that repeats first, then work out where you are in it.

Thinking red, red, blue, red, blue is a repeating pattern.

Check that the same group repeats again and again with no changes.

Losing your place when finding, say, the 10th item.

Write the place numbers under each item, or use the odd/even pattern for a repeat of 2.

Turning an arrow the wrong way for a clockwise turn.

Clockwise means the same way hands: from up to right.