Utsav

Class 1 Joyful Mathematics · Chapter 9 worksheet

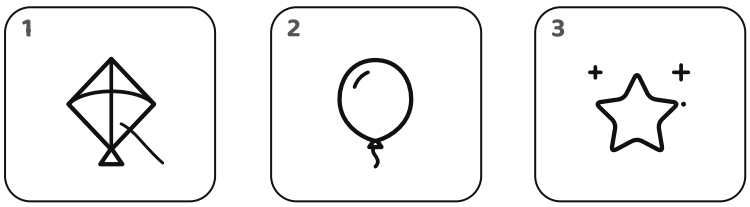
Festival patterns: what comes next?



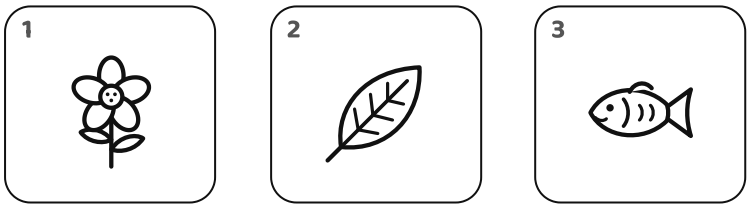
Name _____ **Date** _____

Ask a grown-up to read each question to you. Use a pencil and crayons.

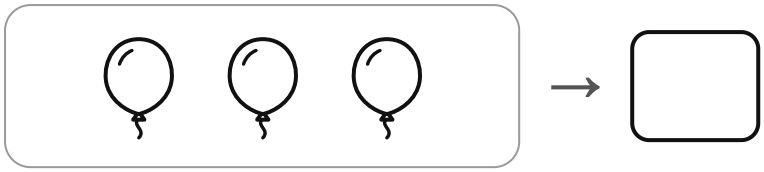
1 **Say it with a grown-up: kite, balloon, kite, balloon, kite… What comes next? Circle it.**



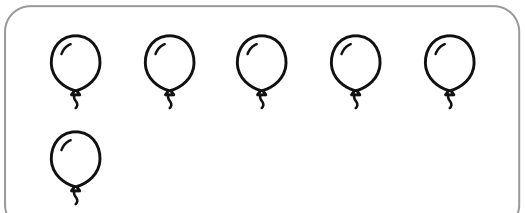
2 **Say it: leaf, flower, flower, leaf, flower, flower, leaf… What comes next? Circle it.**



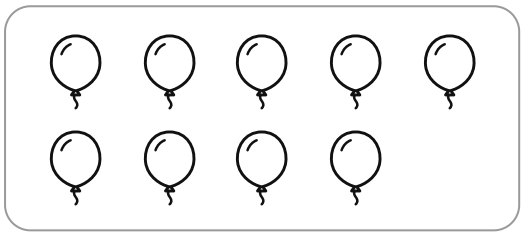
3 **Count the balloons in each bunch. Write the number in the box.**



→ ☐



→ ☐



→ ☐

4 **The bunches grow by 3 each time. Write the next two numbers.**

3, 6, 9, ☐, ☐

5 **Count back. Fill in the missing numbers.**

15, 14, ☐, 12, ☐, 10

6 **Count in tens. Fill in the missing numbers.**

40, 50, ☐, 70, ☐

7 Each row of numbers is a pattern. Join it to the number that comes next.

1	12, 14, 16	A	99
2	25, 30, 35	B	40
3	66, 77, 88	C	18

8 Trace the zigzag border. Go up, down, up, down.



9 Box A: draw circle, triangle, circle, triangle... and keep the pattern going. Box B: make your own pattern and colour it.

A

B

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Answer key for grown-ups

Utsav · Class 1 · Joyful Mathematics · Chapter 9. Check together and praise the effort, not only the answer.

1. Say it with a grown-up: **kite, balloon, kite, balloon, kite**… What comes next? Circle it.
   Circle picture 2.

2. Say it: **leaf, flower, flower, leaf, flower, flower, leaf**… What comes next? Circle it.
   Circle picture 1.

3. Count the balloons in each bunch. Write the number in the box.
   3 balloons, 6 balloons, 9 balloons

4. The bunches grow by 3 each time. Write the next two numbers.
   3, 6, 9, 12, 15

5. Count back. Fill in the missing numbers.
   15, 14, 13, 12, 11, 10

6. Count in tens. Fill in the missing numbers.
   40, 50, 60, 70, 80

7. Each row of numbers is a pattern. Join it to the number that comes next.
   1 → C, 2 → B, 3 → A

8. Trace the zigzag border. Go up, down, up, down.
   Check that the tracing follows the dots.

9. Box A: draw circle, triangle, circle, triangle… and keep the pattern going. Box B: make your own pattern and colour it.
   Box A: circles and triangles taking turns. Box B: any pattern whose part repeats, like two colours taking turns.

What your child practised

- Spotting **patterns**: things that repeat again and again in the same order, like triangle, square, triangle, square.
- Saying what comes next in patterns of shapes, things, sizes and dance moves, and in patterns that **grow** (1, 2, 3, 4) or **shrink** (6, 5, 4, 3).
- Number patterns: counting on in twos and counting back. The worksheet adds counting in threes, tens, fives and elevens.
- Seeing patterns in festival art, clothes and nature: an *alpana*, a saree border, floor tiles, a striped cat, a butterfly.