



Repeating Patterns

Year 1 Mathematics - Worksheet 23

Name: _____ Date: _____

Section 1: What Comes Next?

Look at each pattern. Draw the shape that comes next.

1. What comes next?



2. What comes next?



3. What comes next?



4. What comes next?



5. What comes next?





6. What comes next?



Pattern Pro!

Joke Time: What has hands but cannot clap?
A clock!



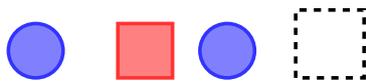
Section 2: Filling the Gaps

A shape is missing! Draw the missing shape to complete the pattern.

7. Fill in the missing shape:



8. Fill in the missing shape:



9. Fill in the missing shape:



10. Fill in the missing shape:





11. Fill in TWO missing shapes:



Shape Superstar!

Joke Time: Why was the math book unhappy?
It had too many problems!



Section 3: Challenge - Trickier Patterns

Read carefully! These patterns need more thinking.

12. Look at this pattern:



What comes next? _____

13. Look at this pattern:

Big Circle, Small Circle, Small Circle, Big Circle, Small Circle, Small Circle

What comes next? _____

14. Look at this color pattern:

Red, Red, Blue, Red, Red, Blue, Red, Red...

What color comes next? _____



15. Look at this pattern:



What comes next? Draw it: _____

16. Complete this pattern:

Clap, Clap, Stomp, Clap, Clap, _____, Clap, _____, Stomp

Pattern Pro!

Joke Time: What kind of tree fits in your hand?

A palm tree!





Answer Key

Year 1 Mathematics - Worksheet 23

Section 1: What Comes Next?

1. Circle (blue) - Pattern: Circle, Square repeating
2. Triangle (green) - Pattern: Triangle, Circle repeating
3. Star (yellow) - Pattern: Star, Heart repeating
4. Blue circle - Pattern: Red, Blue repeating
5. Circle (purple) - Pattern: Triangle, Square, Circle repeating (ABC)
6. Red circle - Pattern: Square, Square, Circle repeating (AAB)

Section 2: Filling the Gaps

7. Triangle (green) - Pattern: Triangle, Circle repeating
8. Square (red) - Pattern: Circle, Square repeating
9. Heart (red) - Pattern: Star, Heart repeating
10. Square (orange) - Pattern: Triangle, Square, Circle repeating (ABC)
11. First missing: Red square; Second missing: Red square - Pattern: Square, Square, Circle (AAB)

Section 3: Challenge - Trickier Patterns

12. Moon - Pattern: Star, Moon, Moon repeating (ABB)
13. Big Circle - Pattern: Big Circle, Small Circle, Small Circle repeating
14. Blue - Pattern: Red, Red, Blue repeating (AAB)
15. Red square - Pattern: Triangle, Square, Square, Circle repeating (ABBC)
16. First blank: Stomp; Second blank: Clap - Pattern: Clap, Clap, Stomp



Repeating Patterns

Year 1 Mathematics - Worksheet 24

Name: _____ Date: _____

Section 1: Make Your Own Pattern

Create your own patterns! Draw them in the boxes.

1. Make an AB pattern using circles and squares. Draw at least 6 shapes.

2. Make an AAB pattern using triangles and circles. Draw at least 6 shapes.

3. Make an ABC pattern using THREE different shapes. Draw at least 6 shapes.

4. Make an ABB pattern using stars and hearts. Draw at least 6 shapes.



5. Make your own pattern! Use any shapes you like.

My pattern repeats like this: _____

Shape Superstar!

Joke Time: Why don't scientists trust atoms?
Because they make up everything!



Section 2: Find the Mistake

Oops! There is a mistake in each pattern. Circle the wrong shape and draw what it should be.

6. Find and circle the mistake:



The mistake is at position: _____

It should be: _____

7. Find and circle the mistake:



The mistake is: _____

It should be: _____



8. Find and circle the mistake:



What is wrong? _____

Pattern Pro!

Joke Time: What do you call a boomerang that won't come back?



A stick!

Section 3: Challenge - The Repeating Core

Every pattern has a "core" - the part that repeats. Circle the core!

9. Circle the repeating core (the part that repeats):



The core is: _____

10. Circle the repeating core:



The core is: _____

11. Circle the repeating core:

Big, Small, Big, Small, Big, Small, Big, Small



The core is: _____

12. Circle the repeating core:



The core is: _____

13. Make a pattern. Then write what the core is.

My core is: _____

Shape Superstar!

Joke Time: Why did the bicycle fall over?

Because it was two-tired!





Answer Key

Year 1 Mathematics - Worksheet 24

Section 1: Make Your Own Pattern

Note: Student responses will vary. Check for correct pattern structure.

1. Should show AB pattern (e.g., Circle, Square, Circle, Square, Circle, Square)
2. Should show AAB pattern (e.g., Triangle, Triangle, Circle, Triangle, Triangle, Circle)
3. Should show ABC pattern with three different shapes repeating
4. Should show ABB pattern (e.g., Star, Heart, Heart, Star, Heart, Heart)
5. Any valid repeating pattern

Section 2: Find the Mistake

6. The 5th shape (second red square) is wrong; should be a blue circle. Pattern: Circle, Square repeating
7. The 4th shape (star) is wrong; should be a heart. Pattern: Star, Heart repeating
8. The 5th shape (circle) is wrong; should be a green square. Pattern: Square, Square, Circle (AAB)

Section 3: Challenge - The Repeating Core

9. Core: Heart, Star (students should circle these first two shapes)
10. Core: Circle, Square, Square (students should circle these three shapes)
11. Core: Big, Small
12. Core: Triangle, Circle, Square (students should circle these three shapes)



13. Student-created pattern - check that identified core matches the pattern drawn

