

BRACKENQUILL

Little Learning Adventures

Paper & Pencil Thinking Trails

Ages 5-8 | Patterns and logical reasoning

Spot a rule, use clues, plan a route and explain a choice through friendly paper puzzles.



What is your rule?

8 activities + grown-up guide + answers

A4 printable / Read-together HTML companion

APPROVAL EDITION - NOT YET FOR SALE

ACTIVITY 1 / PATTERNS AND LOGICAL REASONING

Find the repeating team

Today I can: Identify and continue an ABC pattern.

Say the whole repeating group aloud. Words name the symbols; no colour vision is needed.



1. Circle, triangle, square, circle, triangle, square: what repeats?

2. What comes next after that sequence?

3. Write or draw the next THREE symbols.

4. Make your own three-symbol repeating pattern.

ACTIVITIES 1-4

Answers & discussion notes

1. Find the repeating team

- 1) Circle, triangle, square.
- 2) Circle.
- 3) Circle, triangle, square.
- 4) Accept an ABC unit repeated at least twice, with three distinguishable symbols.

2. Which one could be different?

- 1) For example circle, because it has a curved edge while the others have only straight sides.
- 2) For example triangle, because it has 3 sides while the others do not. Accept a valid consistent rule.
- 3) Square and rectangle (C and D).
- 4) It lets someone check the reasoning rather than just guess what you mean.

3. A tiny line-up

- 1) Fox.
- 2) Bird.
- 3) Rabbit.
- 4) Fox, Bird, Rabbit. Fox is before Bird and Rabbit is after Bird.

4. Who owns each bag?

- 1) BLUE.
- 2) YELLOW.
- 3) RED.
- 4) Ben already has BLUE and each label is used once.