

Logic and Patterns Challenge

Quest Academy | Ages 9-11

Thinking skills | Reasoning



Inside this printable

- 8 activity pages for focused practice
- Simple instructions and generous writing space
- A final answer/help page for grown-ups

Print on A4 at 100% scale. Use pencil or crayon unless the activity says otherwise.

Logic and Patterns Challenge

Use patterns and reasoning. Explain how you know when you can.

2, 4, 8, 16, __

3, 6, 9, 12, __

Which does not belong: 12, 18, 21, 24?

If A=1, B=2, C=3, what is CAB?

A shape has 4 equal sides and 4 right angles. What is it?

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Grown-up help & answer guidance

Use this page as light guidance rather than a score sheet. Encourage the learner to explain their thinking and try again when needed.

Helpful routine

1. Read the instruction together.
2. Let the learner try independently.
3. Ask: "How did you work that out?"
4. Correct one small thing at a time.
5. Finish with a success they can name.

Answer guidance

Many pages are open practice, tracing, colouring, reading or writing tasks, so there may be more than one acceptable response. For number facts, check the calculation. For language tasks, look for a sensible word or sentence that follows the instruction. For reading tasks, accept answers supported by the passage.

BrightPencil rule: progress matters more than perfection.