

GRADE 3 LEARNING PACK

Angles, Shape & Symmetry

Recognise right angles, compare angles informally and reason about properties and symmetry of 2D shapes.

LEARN • PRACTISE • CREATE • REFLECT

Original BrightPencil Kids resource - adult-led where appropriate

A4 edition • 12 purposeful pages • review copy

Print. Learn. Grow.

Grown-up guide

Learning objective

Recognise right angles, compare angles informally and reason about properties and symmetry of 2D shapes.

Use this pack well

- Model the first example aloud, then let the learner try.
- Ask “How do you know?” more often than “Are you finished?”.
- Use real objects, talk, movement or observation when the activity suggests it.
- Stop or shorten the session if attention or enjoyment drops.
- Open-ended pages can have many successful answers.

Quality note

This resource was written originally for BrightPencil Kids. Curriculum sources informed scope and progression only; no third-party worksheet or story text is reproduced.

Learn the idea

1 A right angle is a quarter turn.

2 Shape properties include sides, vertices, parallel/perpendicular lines and symmetry.

3 Symmetry means parts correspond across a line in a matching way.

Talk about it

Explain one idea in your own words. Give an example from real life, a drawing or an object if that helps.

Find right angles in a room-plan drawing.

Classify angles as smaller than, equal to or larger than a right angle.

Name properties of square, rectangle and triangle.

Draw one line of symmetry where it exists.

Complete half of a symmetrical grid pattern.

Try it beyond the page

Real-world / hands-on connection

Use the corner of a piece of paper as a right-angle checker on safe objects.

Before you finish

What did you notice?

What evidence, object or example helped you?

What would you change if you tried again?

Create something

Your project

Create a symmetrical tile design with labelled right angles.

Use this space for planning, drawing, mapping, designing or notes.

CHALLENGE

Think deeper

1. What turn makes a right angle?

2. Does every rectangle have four right angles?

3. Can a shape have no line symmetry?

Quick review

1. In one sentence, explain the big idea of “Angles, Shape & Symmetry”.

2. Draw or write one example that shows you understand.

3. Choose one activity from this pack and explain the strategy you used.

4. Write one question you still have.

Answer & discussion notes

Use these as guidance, not scripts. Open questions can have different successful responses when the reasoning is sensible and evidence-based.

1. Suggested response

A quarter turn.

2. Suggested response

Yes.

3. Suggested response

Yes.

Review before publication

Check age fit, factual accuracy, clarity, accessibility, rights provenance and whether the activity works in practice. This file remains a review copy until those checks are signed off.

FINISH

My learning reflection

I finished this BrightPencil learning pack.

One thing I understand better now:

A strategy that helped me:

Something I created or noticed:

My next small question or goal:

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