

GRADE 4 LEARNING PACK

Measure, Perimeter & Area

Select appropriate units/tools and solve practical length, perimeter and area problems.

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

Select appropriate units/tools and solve practical length, perimeter and area problems.

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 Measurement requires a unit and a tool or method.

2 Perimeter measures distance around a boundary.

3 Area measures surface coverage in square units.

Talk about it

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

Choose mm, cm, m or km for five contexts.

Find the perimeter of a 9 cm by 5 cm rectangle.

Find the area of the same rectangle and explain why the unit is square centimetres.

Solve a missing-side perimeter problem.

Estimate the length of a room before measuring.

Try it beyond the page

Real-world / hands-on connection

Measure a rectangular table, mat or book cover and compare your estimate with the measurement.

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

Design a small rectangular garden plan with labelled dimensions, perimeter and area.

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

CHALLENGE

Think deeper

1. What unit type is used for area?

2. Can two rectangles have the same perimeter but different areas?

3. Why estimate before measuring?

Quick review

1. In one sentence, explain the big idea of “Measure, Perimeter & Area”.

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

Square units.

2. Suggested response

Yes.

3. Suggested response

It builds measurement sense and helps catch errors.

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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