

GRADE 2 LEARNING PACK

Measure & Estimate: Length, Capacity & Weight

Estimate, measure and compare common attributes using appropriate tools and units.

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

Estimate, measure and compare common attributes using appropriate tools and units.

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 Choose a tool/unit suited to the attribute.

2 An estimate is a sensible approximate value.

3 Measure carefully from the correct starting point.

Talk about it

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

Estimate and measure a pencil in cm.

Choose metre or centimetre for a door height.

Compare two containers by capacity using safe water transfer with adult help.

Compare objects as lighter/heavier before measuring where equipment exists.

Explain one reason an estimate and measure may differ.

Try it beyond the page

Real-world / hands-on connection

Measure three safe objects using a ruler/tape and record estimate then actual measure.

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 “measurement lab” table with object, attribute, estimate, tool and result.

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

CHALLENGE

Think deeper

1. Which unit suits a pencil length?

2. Why estimate first?

3. What does capacity describe?

Quick review

1. In one sentence, explain the big idea of “Measure & Estimate: Length, Capacity & Weight”.

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

Centimetres.

2. Suggested response

It develops magnitude sense and helps check results.

3. Suggested response

How much a container can hold.

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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