

GRADE 3 LEARNING PACK

Grid Thinking: Locate, Compare & Communicate

Use labelled grids to locate features, compare relative positions and communicate locations accurately.

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

Use labelled grids to locate features, compare relative positions and communicate locations accurately.

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 grid reference identifies an agreed cell or position.

2 Relative position can combine grid, direction and distance.

3 Consistent conventions let different people interpret the same map.

Talk about it

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

Place six landmarks on a 6x6 letter-number grid.

Give the grid reference for a lake east of the museum.

Write two clues that identify one square without naming it.

Spot an inconsistent grid reference and correct it.

Compare “B4” with “north-east of B4” and explain the extra information.

Try it beyond the page

Real-world / hands-on connection

Play a coordinate treasure game on paper with a partner or adult.

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 rescue-planning grid for a fictional nature park with safe routes and six labelled features.

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

CHALLENGE

Think deeper

1. Why are conventions important in grids?

2. What extra information does a direction add?

3. Can two features be in the same grid square?

Quick review

1. In one sentence, explain the big idea of “Grid Thinking: Locate, Compare & Communicate”.

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

They ensure everyone interprets references the same way.

2. Suggested response

It describes relative position/movement.

3. Suggested response

Yes, if the square covers an area large enough.

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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