

GRADE 2 LEARNING PACK

Equal Groups & Arrays: Multiplication Thinking

Interpret multiplication as equal groups and rectangular arrays using repeated addition.

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

Interpret multiplication as equal groups and rectangular arrays using repeated addition.

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 Multiplication describes equal groups.

2 Arrays organise equal rows/columns.

3 Repeated addition can represent the same total.

Talk about it

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

Draw 3 groups of 4.

Write repeated addition for 5 groups of 2.

Build a 4x3 array and count total objects.

Match $2+2+2+2$ with 4 groups of 2.

Create two different arrays for 12.

Try it beyond the page

Real-world / hands-on connection

Arrange buttons/counters into equal groups and arrays, then describe them aloud.

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 “window building” array picture and write the matching multiplication/repeated addition.

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

CHALLENGE

Think deeper

1. How many in 3 groups of 4?

2. What makes groups equal?

3. Can 12 be shown as 2×6 and 3×4 ?

Quick review

1. In one sentence, explain the big idea of “Equal Groups & Arrays: Multiplication Thinking”.

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

12.

2. Suggested response

Each group has the same number.

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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