

GRADE 3 LEARNING PACK

Fractions: Equivalence & Number Lines

Represent and compare common fractions, recognise simple equivalence and place fractions on a number line.

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

Represent and compare common fractions, recognise simple equivalence and place fractions on a number line.

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 Fractions describe equal parts of a whole or quantity.

2 Equivalent fractions name the same amount.

3 A number line shows fractions as numbers with position and magnitude.

Talk about it

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

Show 1/2 and 2/4 on matching models.

Place $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$ on a 0-1 number line.

Compare $\frac{2}{3}$ and $\frac{1}{3}$ of the same whole.

Identify a non-example with unequal parts.

Find a simple equivalent fraction for $\frac{1}{2}$.

Try it beyond the page

Real-world / hands-on connection

Fold strips into halves, quarters and eighths and compare aligned lengths.

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 fraction trail from 0 to 1 with at least six labelled fractions.

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

CHALLENGE

Think deeper

1. Why must parts be equal?

2. Are $\frac{2}{4}$ and $\frac{1}{2}$ equal in value?

3. What does the denominator tell you?

Quick review

1. In one sentence, explain the big idea of “Fractions: Equivalence & Number Lines”.

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

So the fraction describes equal shares.

2. Suggested response

Yes.

3. Suggested response

How many equal parts make the whole.

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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