

GRADE 4 LEARNING PACK

Fractions: Equivalence, Compare & Order

Use visual models and common reasoning to generate equivalent fractions and compare/order fractions.

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 visual models and common reasoning to generate equivalent fractions and compare/order fractions.

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 Equivalent fractions name the same quantity using different-sized equal parts.

2 A common denominator or benchmark such as $\frac{1}{2}$ can help comparison.

3 Numerator and denominator must be interpreted together.

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 why $\frac{2}{3} = \frac{4}{6}$ with a model.

Compare $\frac{3}{4}$ and $\frac{5}{8}$ using a benchmark or common denominator.

Order $\frac{1}{2}$, $\frac{3}{8}$ and $\frac{5}{6}$.

Explain why a larger denominator does not automatically mean a larger fraction.

Independent thinking

Find two fractions equivalent to $\frac{3}{5}$.

Try it beyond the page

Real-world / hands-on connection

Fold paper strips or use a fraction wall to compare three fractions physically before recording symbols.

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 comparison game board using equivalent pairs and benchmark clues.

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

CHALLENGE

Think deeper

1. Is $\frac{1}{8}$ larger than $\frac{1}{6}$ because 8 is larger?

2. What does equivalent mean?

3. Why is $\frac{1}{2}$ a useful benchmark?

Quick review

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

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

No.

2. Suggested response

Same value represented differently.

3. Suggested response

Many fractions can be quickly judged as below, equal to or above half.

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:

Print. Learn. Grow.