

GRADE 4 LEARNING PACK

Decimals: Tenths, Hundredths & Place Value

Connect decimal notation with base-ten place value and simple fraction representations.

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

Connect decimal notation with base-ten place value and simple fraction representations.

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 decimal point separates whole-number places from fractional base-ten places.

2 Tenths and hundredths can be modelled with grids, number lines and money contexts.

3 Equivalent forms can describe the same quantity, such as 0.5 and $\frac{5}{10}$.

Talk about it

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

Write 37 hundredths as 0.37.

Represent 0.6 on a 0-to-1 number line.

Compare 0.45 and 0.5 using place value.

Connect EUR2.35 with two euros and thirty-five cents.

Match 0.25 with 25/100 and explain.

Try it beyond the page

Real-world / hands-on connection

Use a hundred-square or money amounts to represent several decimals visually.

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 decimal number-line challenge from 0 to 1 with five labelled points.

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

CHALLENGE

Think deeper

1. Which is larger: 0.7 or 0.65?

2. What does the 3 mean in 4.38?

3. Is 0.50 the same value as 0.5?

Quick review

1. In one sentence, explain the big idea of “Decimals: Tenths, Hundredths & Place Value”.

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

0.7.

2. Suggested response

Three tenths.

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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