Adding Fractions: Same-Whole Stories

Same whole, same pieces, easy math stories

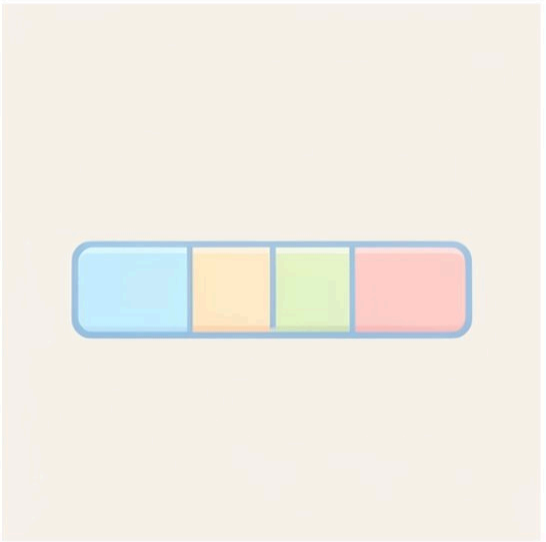


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BIG IDEA

If wholes and pieces match, add tops, keep bottoms.



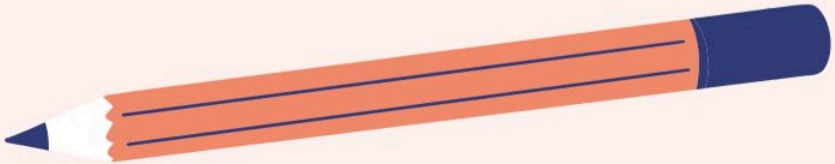




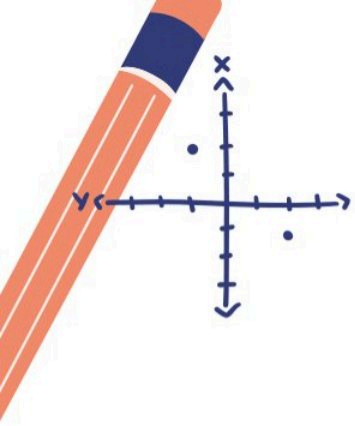
DID YOU KNOW?

4 tenths + 3 tenths = 7 tenths, just like apples!

Same bottom means same size, so you only count tops.



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Same Whole Rules

Same Whole

Both parts come from one same-size whole.

Same Pieces

Bottom numbers match, so pieces match in size.

Draw It

Shade bars or circles to see the count.

Write It

Turn the picture into a number equation.

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Think, pair, share

One pan: one person eats 3/8, another person eats 2/8. How much was eaten?



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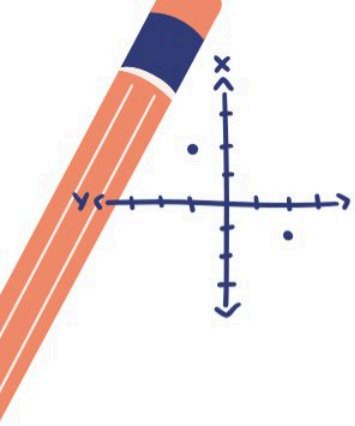
Watch: Add and Subtract



▶ 0:00 – 4:22

- Spot how bars show same whole
- Hear how tops add, bottoms stay

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Key words

fraction

a part of one whole, like 3/8 of a pan

numerator

top number; how many pieces we count

denominator

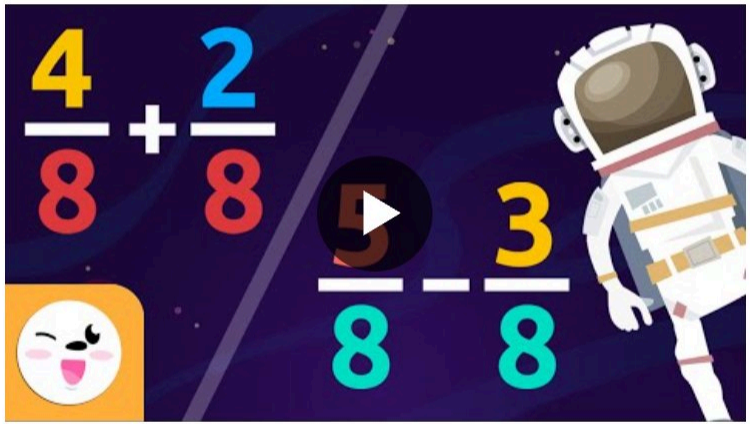
bottom number; how big the pieces are

like denominators

same bottom number, so same-size pieces

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Watch Again: Same Bottoms



▶ 0:00 – 5:00

- Watch for circle and bar models
- Listen for adding and subtracting tops

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Your task

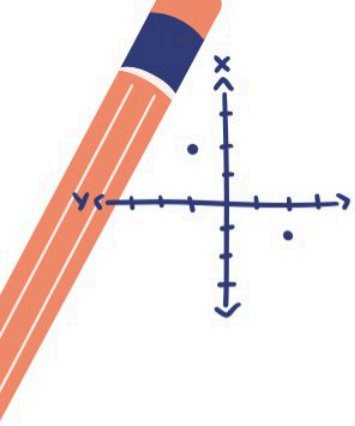
With a partner, solve two garden and trail stories with models and equations.

1. Draw bars for 2/6 + 3/6 of garden planted.
2. Draw bars for 5/8 - 2/8 of trail walked.
3. Write an equation for each and check same whole.

10 min

In pairs

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Add vs. Subtract

Adding

- Tops grow: 2/7 + 3/7 = 5/7
- Total gets bigger
- Model adds shaded parts

Subtracting

- Tops shrink: 5/7 - 3/7 = 2/7
- Leftover gets smaller
- Model takes parts away

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Your Favorite Model?

Which visual model helps you most?

- **A** Bar strips
- **B** Circle pies
- **C** Number line

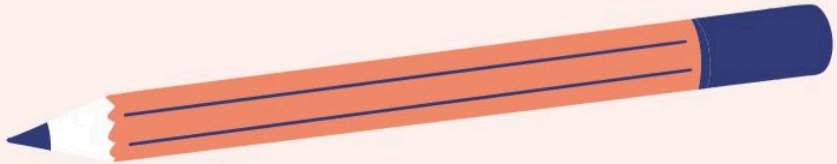


Vote with your hands, then explain why.

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Quick quiz

1. A jug has 1/4 + 2/4 used. How much used?
2. Find 7/10 - 4/10. What is left?
3. A garden has 5/8 planted, then 2/8 more is planted. What is the total planted?



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