Story Problem Detectives

Add and subtract within 100 to solve stories



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Think, pair, share

35 books on a shelf. A student takes 12 away. How can you picture it?





Illustration: TyliJura · Pixabay

Two story families

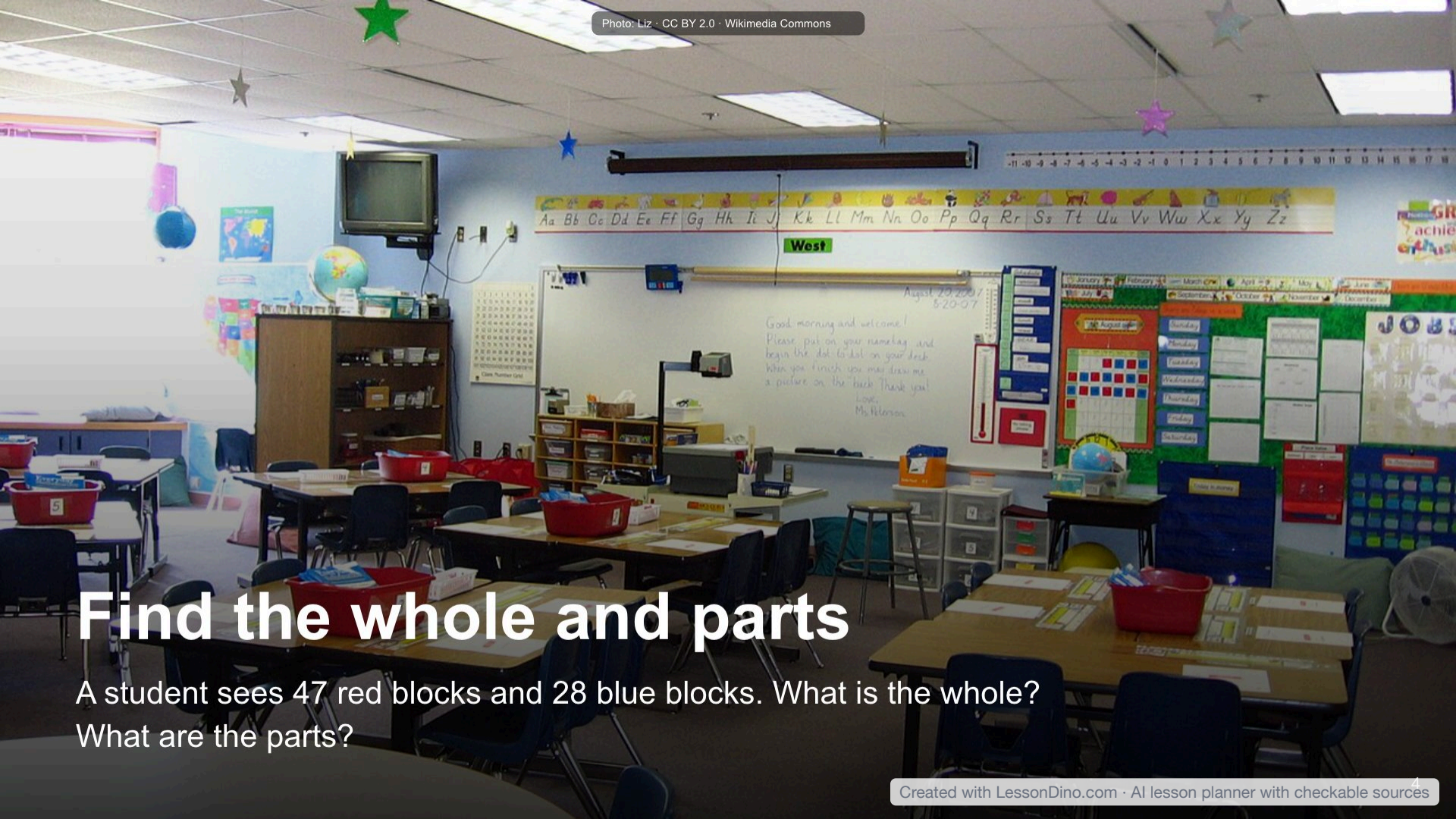
Part-whole

- Parts join to make a whole
- Whole missing? Add the parts
- Part missing? Subtract from whole

Compare

- Two amounts side by side
- Gap missing? Subtract small from big
- How many more? Means subtract

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Find the whole and parts

A student sees 47 red blocks and 28 blue blocks. What is the whole? What are the parts?

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What could this be?

? + 18 = 63

What story fits this?





Illustration: BarelyDevi · Pixabay

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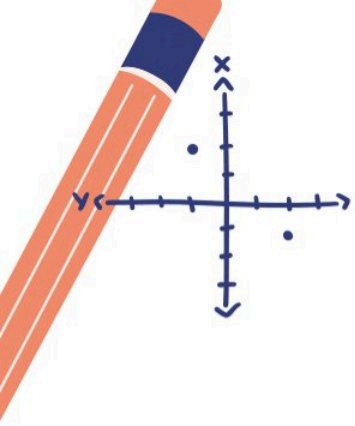
Watch: stories within 100



▶ 0:00 – 4:29

- Watch for tens sticks and ones dots
- Watch for ? where number hides

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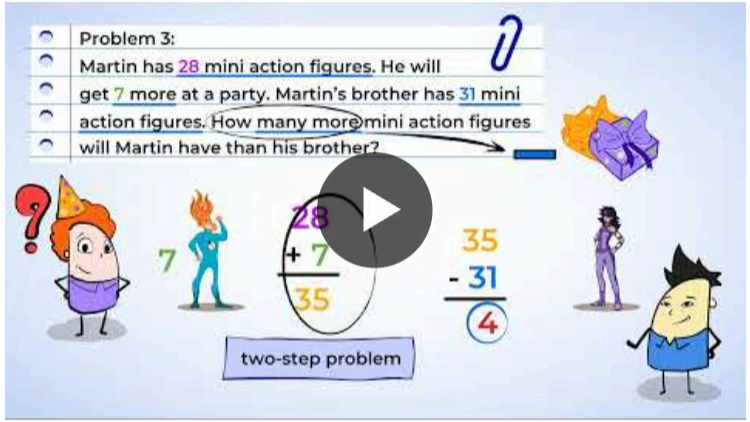


Detective routine

1. Read twice: story, then numbers
2. Draw quick bar or tens and ones
3. Write equation (number sentence) with ? for missing
4. Solve and check back in story

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Watch: two-step wizards



▶ 0:00 – 5:00

- Watch for first step, then next step
- Watch for two equations in one story

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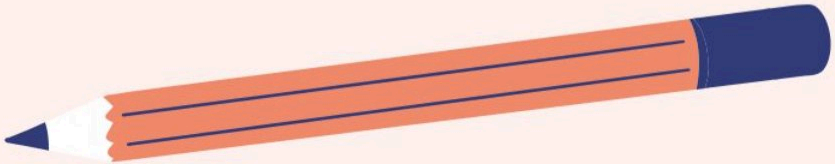
Your task

With your partner, make up and solve your own stories within 100 using a drawing and a ? equation.

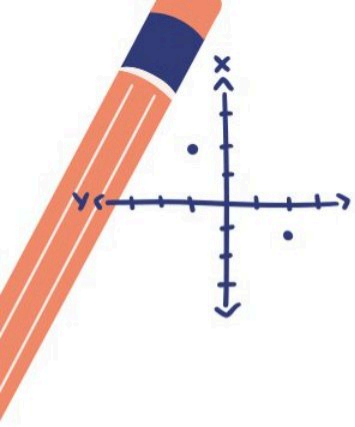
1. Create a one-step adding or comparing story
2. Trade, draw a bar, write ? equation, solve
3. Create a two-step story and solve in two steps

15 min

In pairs



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BIG IDEA

Picture whole and parts, and let ? show where to solve.

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Which feels trickiest?

Which story type makes your brain work hardest?

- **A** Adding to find the end
- **B** Taking apart to find a part
- **C** Comparing to find how many more
- **D** Two steps with two clues



Vote with your hands, then explain why.

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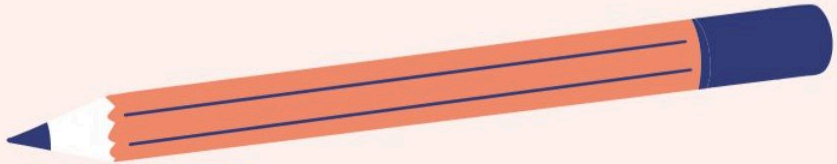
True or false?

47 + 28 = ? finds a missing whole.

How many more always means you add.

35 - ? = 23 can be solved with addition.

A two-step story needs two calculations.



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