Two Steps to Solve It!

Multi-step word problems with whole numbers



Created with LessonDino.com · AI lesson planner with checkable sources

Think, pair, share

A shopkeeper packs 4 boxes of 6 pencils. She sells 10. How many are left?



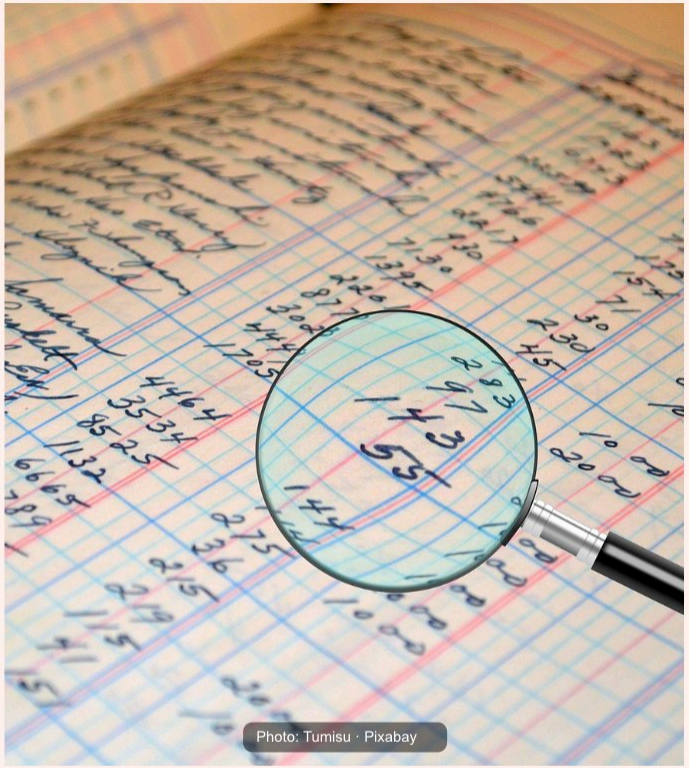


Created with LessonDino.com · AI lesson planner with checkable sources

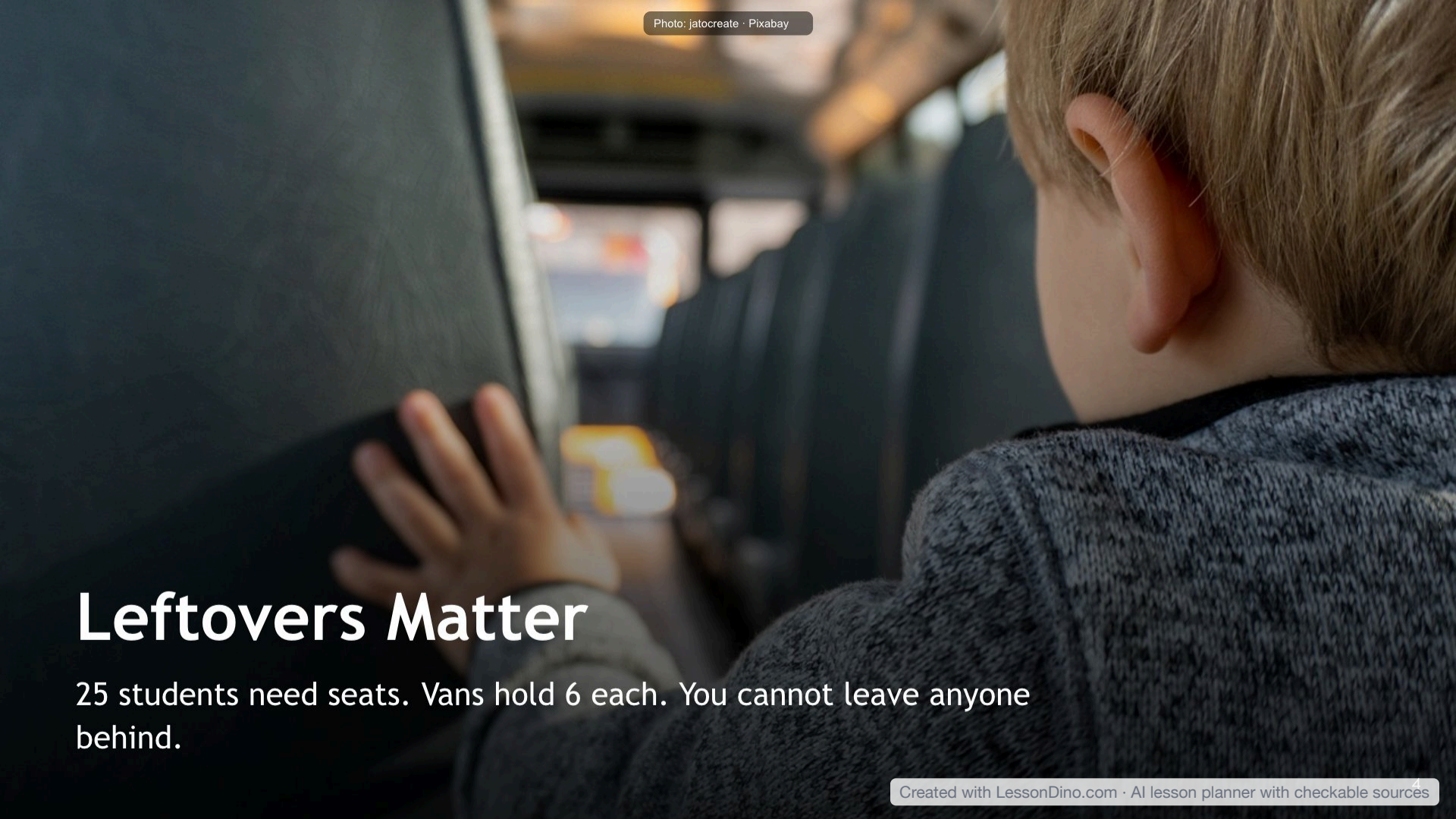
DID YOU KNOW?

Some problems hide a number you do not need!

Good solvers ignore the distractor and use only what answers the question.



Created with LessonDino.com · AI lesson planner with checkable sources



Leftovers Matter

25 students need seats. Vans hold 6 each. You cannot leave anyone behind.

Created with LessonDino.com · AI lesson planner with checkable sources

What trips you up?

What is trickiest in a 2-step problem?

A. Finding the steps in order

B. Picking + - x division

C. Dealing with leftovers

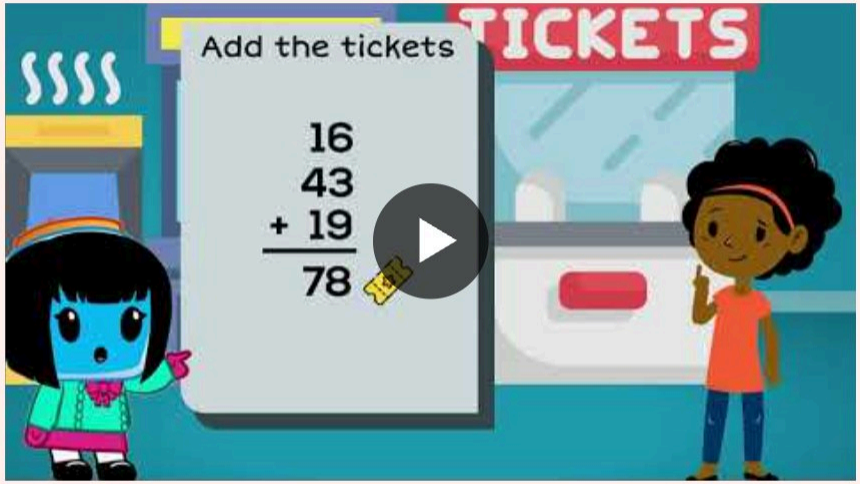
D. Checking if answer fits



Vote with your hands, then explain why.

Created with LessonDino.com · AI lesson planner with checkable sources

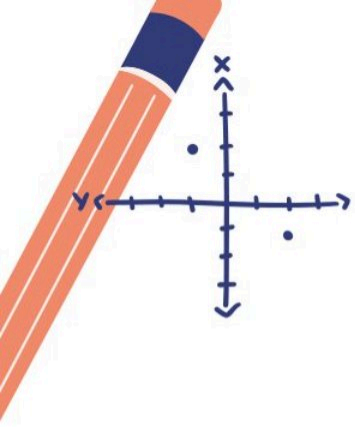
Watch: Break It Down



▶ 0:00 – 3:08

- Listen for first step, then next
- Spot the letter for unknown

Created with LessonDino.com · AI lesson planner with checkable sources



Key words

equation

a number sentence with = and a letter

unknown

the number we need to find, like n

remainder

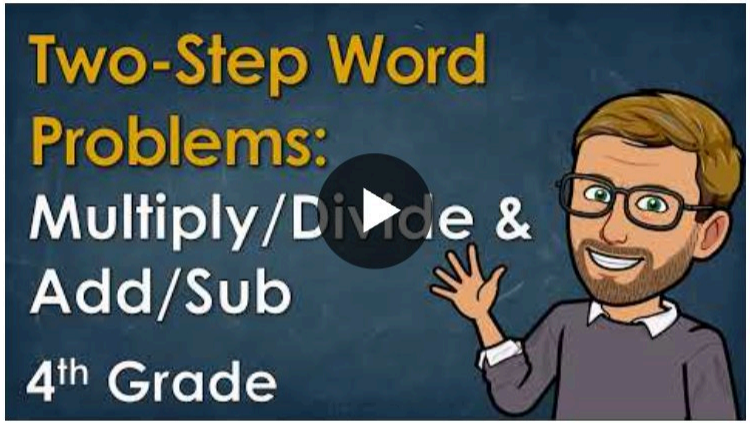
what is left after sharing equally

estimate

a close guess using round numbers

Created with LessonDino.com · AI lesson planner with checkable sources

Watch: Four Operations



▶ 0:00 – 4:40

- Clap when you hear multiply or divide
- How do they check with rounding?



Created with LessonDino.com · AI lesson planner with checkable sources

Your task

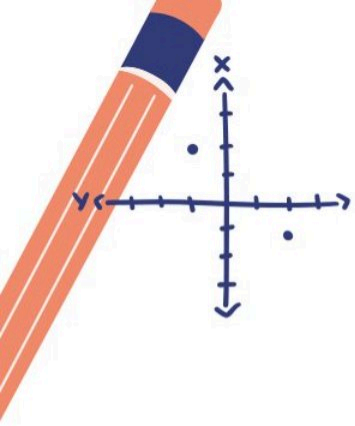
Solve two mini-problems in pairs. Write an equation with n and check with rounding.

1. 1. Pencils: 3 packs x 8 plus 5 more. n = ?
2. 2. Tables: 25 students, 6 per table. How many tables?
3. 3. Round to estimate and say if answer is reasonable.

10 min

In pairs

Created with LessonDino.com · AI lesson planner with checkable sources



Our Solver Plan

🔍

Read

Read twice and find the final question.

🗺️

Plan

Decide step 1, then step 2 in order.

➗

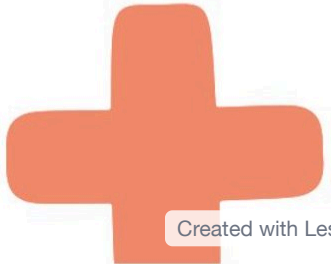
Solve

Pick + − × ÷ and write n = ...

✅

Check

Round to estimate and does it fit?



Created with LessonDino.com · AI lesson planner with checkable sources

What could this be?

27 erasers shared into packs of 6. Packs are full only. How many full packs? What is left?





Photo: Shutterbug26 · Pixabay

Created with LessonDino.com · AI lesson planner with checkable sources

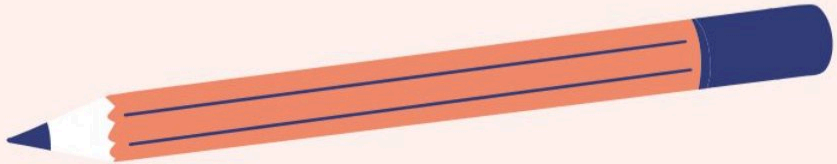
True or false?

In multi-step problems you do step 1 before step 2 in order.

25 / 6 = 4 R1 means 4 tables are enough for 25 students.

n can stand for the number you need to find.

Rounding 198 to 200 cannot help check an answer.



Created with LessonDino.com · AI lesson planner with checkable sources