Just What Is Asked: teacher script

SY11-V1 · SY11 Find just what is asked · teachers only. Without a screen, read each Say line and draw each Draw step on the board. About 65 seconds as a video.

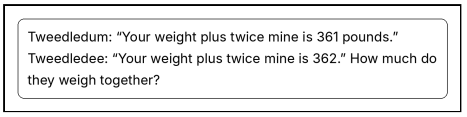
01



Say. Just what is asked. Read what is asked. Look for it in the equations, and divide every term.

Draw. Write the title “Just What Is Asked” and the steps: 1. Read what is asked; 2. Look for it in the equations; 3. Divide every term.

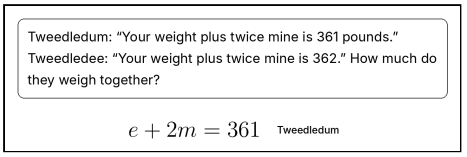
02



Say. Tweedledum says: your weight plus twice mine is three hundred and sixty-one pounds. Tweedledee says: your weight plus twice mine is three hundred and sixty-two. How much do they weigh together?

Draw. Clear the board. Write “Tweedledum: “Your weight plus twice mine is 361 pounds.” Tweedledee: “Your weight plus twice mine is 362.” How much do they weigh together?” in a box at the top.

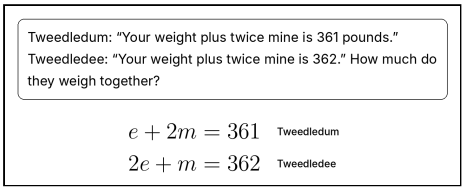
03



Say. Let e and m be their weights. e + 2m = 361.

Draw. Write e + 2m = 361 on the next line. Beside it, write “Tweedledum”.

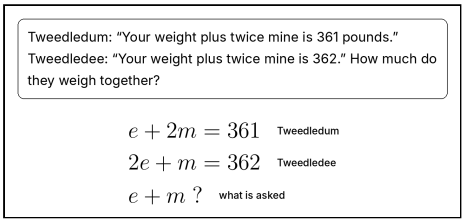
04



Say. And 2e + m = 362.

Draw. Write 2e + m = 362 on the next line. Beside it, write “Tweedledee”.

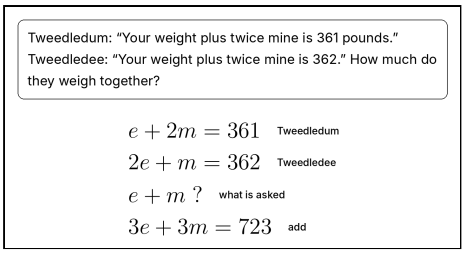
05



Say. Together means e + m. Can we get it straight away?

Draw. Write e + m ? on the next line. Beside it, write “what is asked”.

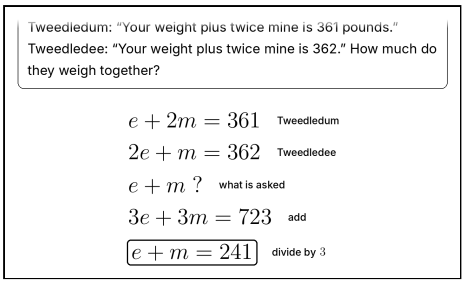
06



Say. Add the equations: 3e + 3m = 723.

Draw. Write 3e + 3m = 723 on the next line. Beside it, write “add”.

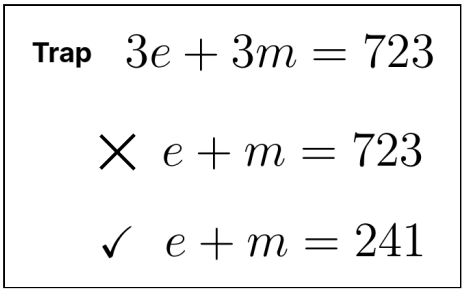
07



Say. Divide every term by three: e + m = 241. They weigh two hundred and forty-one pounds together.

Draw. Write e + m = 241 and box it on the next line. Beside it, write “divide by 3”.

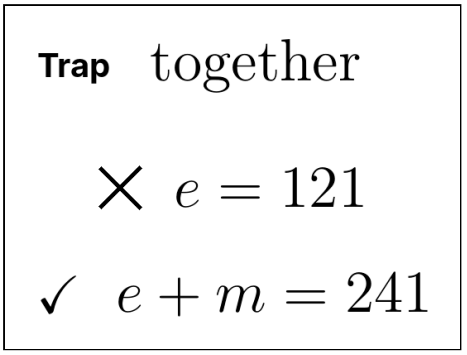
08



Say. Watch for the trap: dividing only one side. Divide every term by three, the right side too.

Draw. Clear the board. Write “Trap” and 3e + 3m = 723. Below, write e + m = 723 and cross it out ×. Then write e + m = 241 with a tick ✓.

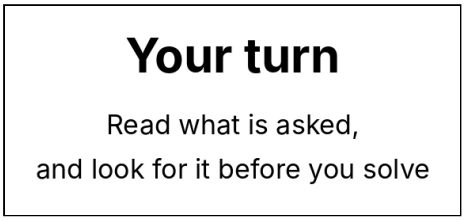
09



Say. And don't give one weight: the question asks for both together.

Draw. Clear the board. Write “Trap” and together. Below, write e = 121 and cross it out ×. Then write e + m = 241 with a tick ✓.

10



Say. Now it is your turn. Read what is asked, and look for it before you solve.

Draw. Point to today’s activity: Read what is asked, and look for it before you solve