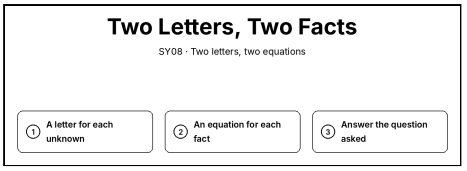
Two Letters, Two Facts: teacher script

SY08-V1 · SY08 Two letters, two equations · teachers only. Without a screen, read each Say line and draw each Draw step on the board. About 69 seconds as a video.

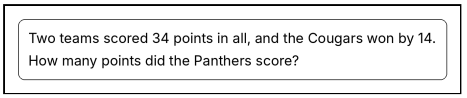
01



Say. Two letters, two facts. A letter for each unknown, and an equation for each fact. Solve, check, and answer the question asked.

Draw. Write the title “Two Letters, Two Facts” and the steps: 1. A letter for each unknown; 2. An equation for each fact; 3. Answer the question asked.

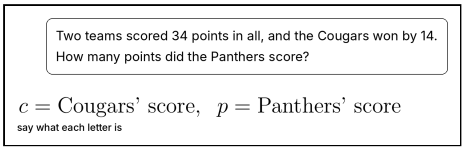
02



Say. Two teams scored thirty-four points in all, and the Cougars won by fourteen. How many points did the Panthers score?

Draw. Clear the board. Write “Two teams scored 34 points in all, and the Cougars won by 14. How many points did the Panthers score?” in a box at the top.

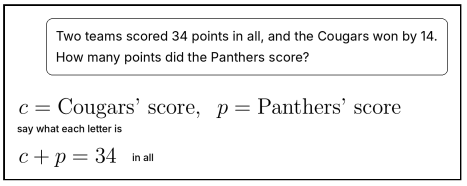
03



Say. Let c be the Cougars' score and p the Panthers' score.

Draw. Write c = Cougars’ score, p = Panthers’ score on the next line. Beside it, write “say what each letter is”.

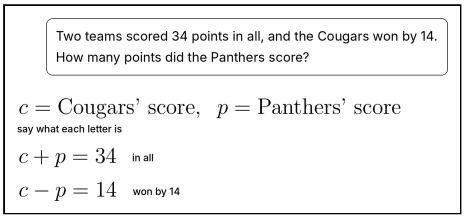
04



Say. In all, thirty-four: c + p = 34.

Draw. Write c + p = 34 on the next line. Beside it, write “in all”.

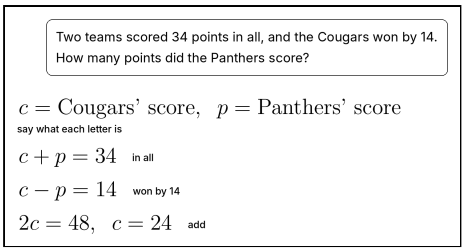
05



Say. Won by fourteen: the Cougars' score minus the Panthers'. c − p = 14.

Draw. Write c − p = 14 on the next line. Beside it, write “won by 14”.

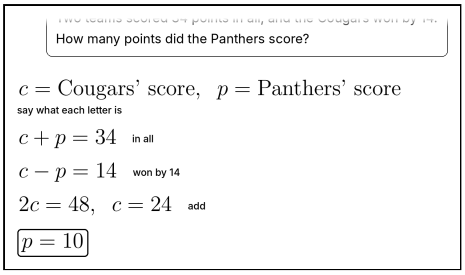
06



Say. Add the equations: 2c = 48, so c = 24.

Draw. Write 2c = 48, c = 24 on the next line. Beside it, write “add”.

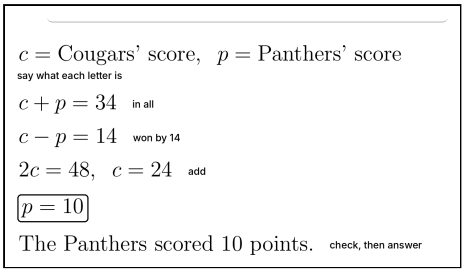
07



Say. Then p = 10.

Draw. Write p = 10 and box it on the next line.

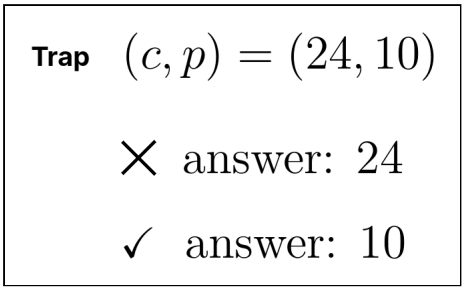
08



Say. Check: twenty-four plus ten is thirty-four, and twenty-four minus ten is fourteen. The Panthers scored ten points.

Draw. Write The Panthers scored 10 points. on the next line. Beside it, write “check, then answer”.

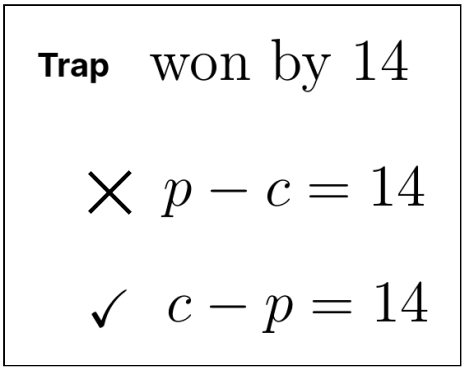
09



Say. Watch for the trap: stopping at the pair, or giving the wrong number. The question asks about the Panthers.

Draw. Clear the board. Write “Trap” and (c, p) = (24, 10). Below, write answer: 24 and cross it out ×. Then write answer: 10 with a tick ✓.

10



Say. And watch for reversing a difference. Won by fourteen is the winner's score minus the loser's.

Draw. Clear the board. Write “Trap” and won by 14. Below, write p − c = 14 and cross it out ×. Then write c − p = 14 with a tick ✓.

11

Your turn

A letter for each unknown, an equation for each fact, then answer the question asked

Say. Now it is your turn. A letter for each unknown, an equation for each fact, then answer the question asked.

Draw. Point to today's activity: A letter for each unknown, an equation for each fact, then answer the question asked