Two Letters, Two Facts

SY08-V1 · storyboard · SY08 Two letters, two equations. Read each picture with its sentences.

Picture 1

$c = \text{Cougars' score}, \quad p = \text{Panthers' score}$

say what each letter is

$c + p = 34$ in all

$c - p = 14$ won by 14

$2c = 48, \quad c = 24$ add

$\boxed{p = 10}$

The Panthers scored 10 points. check, then answer

1. Two teams scored thirty-four points in all, and the Cougars won by fourteen.
2. How many points did the Panthers score?
3. Let c be the Cougars' score and p the Panthers' score.
4. In all, thirty-four: c + p = 34.
5. Won by fourteen: the Cougars' score minus the Panthers'.
6. c − p = 14.
7. Add the equations: 2c = 48, so c = 24.
8. Then p = 10.
9. Check: twenty-four plus ten is thirty-four, and twenty-four minus ten is fourteen.
10. The Panthers scored ten points.

Picture 2

Trap $(c, p) = (24, 10)$

$\times$ answer: 24

$\checkmark$ answer: 10

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

Picture 3

Trap won by 14

$\times$ $p - c = 14$

$\checkmark$ $c - p = 14$

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