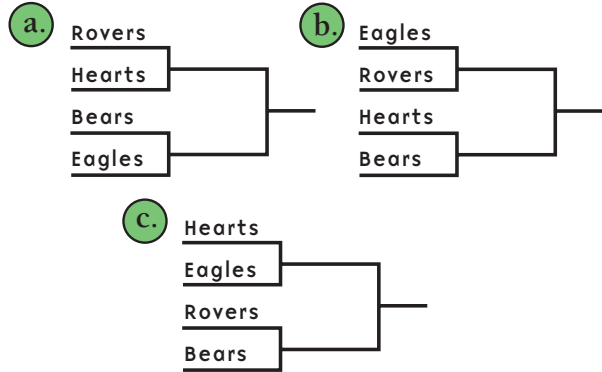


Out for the Count

Problem One

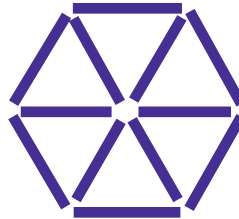
The Hearts, Rovers, Bears, and Eagles played each other in three knockout soccer tournaments this year. The Bears lost all their games, and the Rovers lost to the Hearts. The Eagles beat the Hearts. A different team won each tournament. Complete the draws for each tournament.



Problem Two

This hexagonal pattern was built with sticks.

- How many rhombuses can you find in the design?
- How many trapezia can you find?



Problem Three

If this pattern continued, how many Ns would there be?



Problem Four

Nine o'clock is a "right-angled o'clock" time.

- Why?
- What other right-angled o'clock times can you find where the hour hand is on a number?

