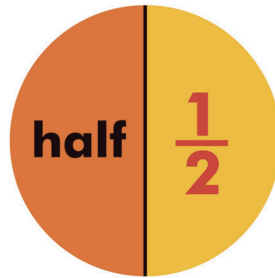


Mathletes Problem of the Week 11

Half-Time



Here are three puzzling problems about halves.

- If the height of a building is 20 feet plus half of its own height, how tall is the building?
- Jamal was giving away his old Pokemon cards to his friends. He gave half of them plus half a card more to Leon. Then he gave half of what was left plus half a card more to Lin. That left him with just one card for himself. If no cards were actually cut in half, how many cards did he start with?
- A lamp has a pushbutton to turn it on and off. The lamp is turned on for 1 minute, then off for $\frac{1}{2}$ minute, on for $\frac{1}{4}$ minute, and so on. After 2 minutes, will the lamp be on or off?

Solutions & Explanations: (Try one or try them all. Explain your solutions below and on the back.)

Name _____ Class _____

(First and last name, please!)

Solutions due: March 1