

How many riddles can you solve? For each correct answer, you will receive 1 scratch-off ticket. If you correctly answer all 8 riddles, you'll receive 2 extra scratch-offs for a total of 10!



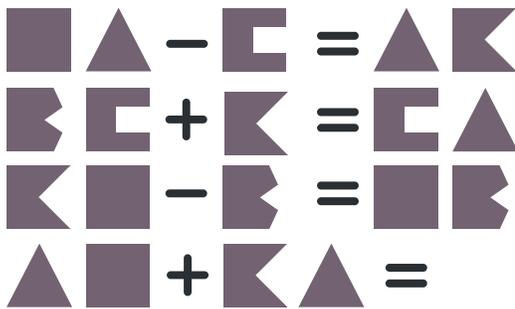
Must be returned by Friday, August 5th to earn scratch-off tickets.

**1** SOS! Fifteen people are trapped aboard a ship that's going to sink in exactly 20 minutes. Their only chance for survival is the five-person life raft stowed on their vessel. To make matters worse, the waters around the ship are teeming with man-eating sharks, so swimming to safety is out of the question.



A round-trip to the nearest island and back to the boat takes nine minutes on the raft. How many people will live to see dry land?

**2** An elite archaeological team unearthed a stone tablet in the remains of an ancient settlement. According to one excited researcher, it's a near-perfect specimen of arithmetic homework from the era.



The strange letters represent numbers, while the operators +, -, and = are the same as the ones we use today!

Sadly, the bottom corner of the tablet is broken. What should the missing section say?

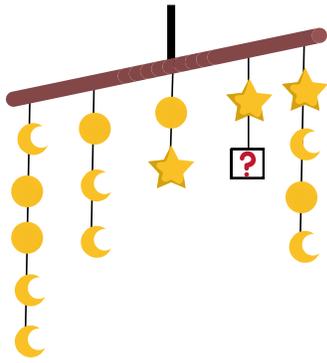
**3** A boy and his sister are sitting around the kitchen table chatting.

"You know, Sis, if I took away two years from my age and gave them to you, you'd be twice my age, huh!"

"Well, why don't you just give me one more on top of that? Then I'll be three times your age."

So just how old is each sibling?





4

The five ornament strings are spaced equally apart, and each of the three types of ornaments weigh a different amount. The heaviest ornament weighs the same as three of the lightest ones, while a medium ornament weighs the same as two of the lightest ornaments.

Which one of the three ornaments, a moon, a star, or the sun, go in the box with the question mark?

5

Ten candles stand burning in a dining room. A strong breeze blows in through an open window and extinguishes two of them. Checking back in on the candles later, you see that one more candle has gone out, you shut the window.

Assuming the wind doesn't extinguish any more candles, how many candles do you have left in the end?



6

An astronaut visits a planet and finds a new species of creature. 340 display male attributes, 270 display female attributes, and 150 display both male and female attributes.



How many aliens are on the planet?



7

If seven days after 70 days ago was a Sunday, seven days before 70 days from today is what day of the week?



8

A friend sent you an invitation to come and visit. The wording of his letter, however, is a bit odd...

"First, knock on a certain door. Then, knock on the door below and the door below that. Now knock on the door to the right of that one. Finally, knock on the next door to the right. That's my place!"

Open your friend's door by circling it.