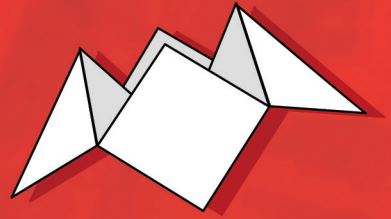


# Fortune Teller



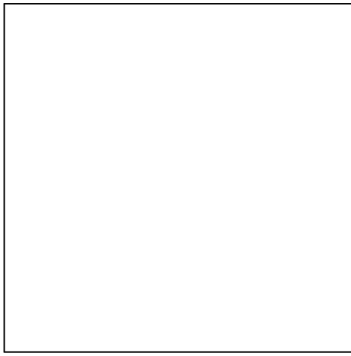
Based on Japanese origami, the Mathnasium Fortune Teller is a fun way to practice math with a friend and to discover your “math fortune”!

Just cut out the square below, follow the folding instructions (on a separate sheet), and pair up with a friend!

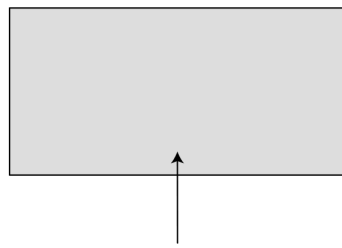
## To play:

1. Decide who is the “Teller” and who is the “Solver.” The Teller puts thumbs and forefingers into the four pockets of the Fortune Teller. The Teller pinches fingers and thumbs together to make a point at the top.
2. The Solver points to a math problem on the outside of the Fortune Teller and says it out loud, along with the answer. For example, “ $2 + 4 = 6$ .” (Teller also has to figure out the answer to know if the Solver is correct.)
3. The Teller pulls their thumbs and fingers apart, pinching and pulling them front to back and side to side the same number of times as the Solver’s correct answer (ex: 6 times). If the Solver’s answer wasn’t correct, the Teller asks the Solver to try again until they get the right answer.
4. The Fortune Teller should now be “open” to different problems. The Solver chooses a math problem from the *inside* and solves it the same way as before, with the Teller repeating the finger movements the same number of times as the answer. (The players can repeat this part as often as they like, practicing their math, until they are ready to move to the next level.)
5. For the last round, when the Solver solves a final math problem, the Teller opens the inside flap to confirm the correct answer. If it’s not correct, the Solver tries again. If it is correct, the Teller reads the fortune above it to the Solver!
6. Now, play again, but switch roles so that the Solver becomes the Teller!

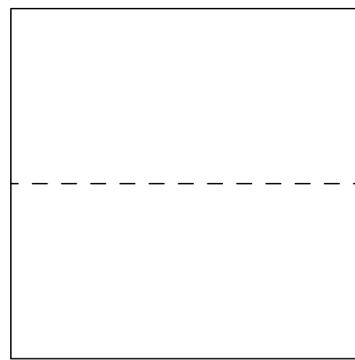
**Good luck and good fortune!**



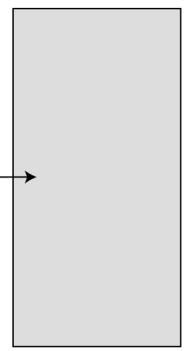
Cut out a square paper from pages 3–6. Place the square face down.



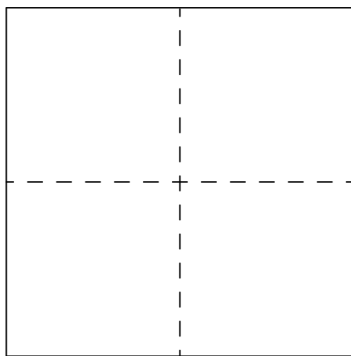
Fold it in half, like this.



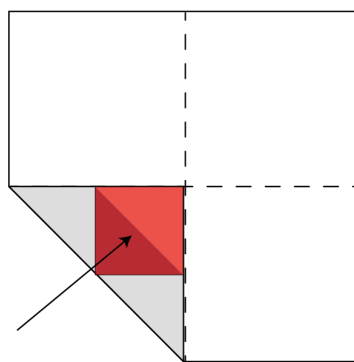
Unfold the paper.



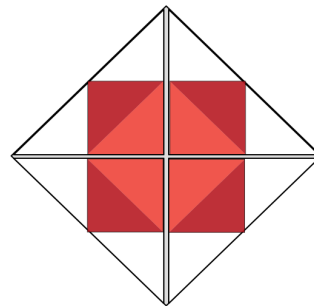
Fold it the other way.



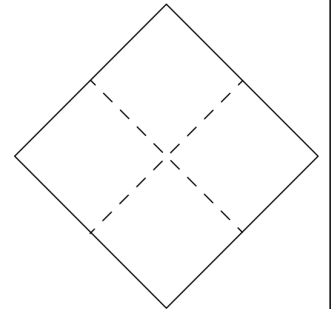
Unfold it and your paper should look like this.



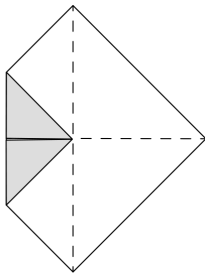
Fold all four corners to the center of the square so the points just touch it.



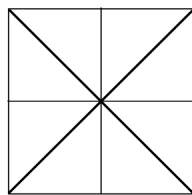
It should look like this.



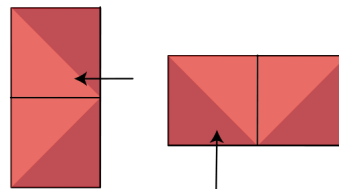
Flip your paper over so the folds you made are face down.



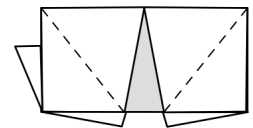
Fold the corners to the center again.



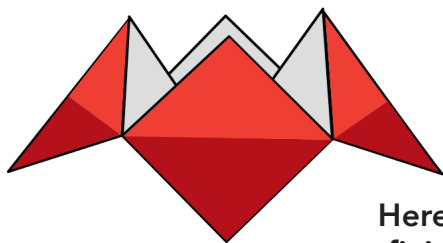
Your paper should look like this.



Fold it in half horizontally, then unfold it. Now fold it vertically like this.


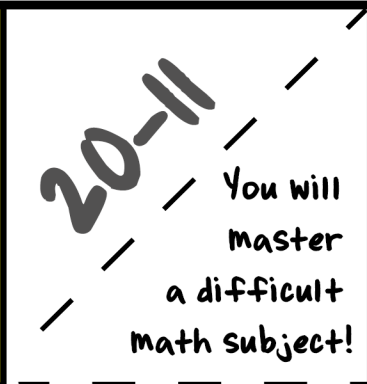
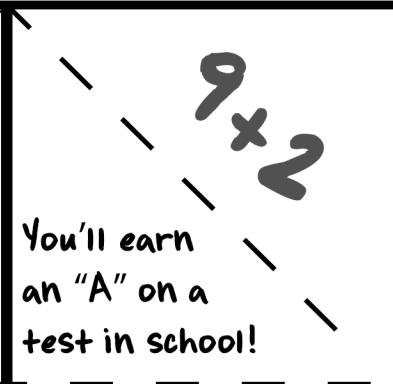

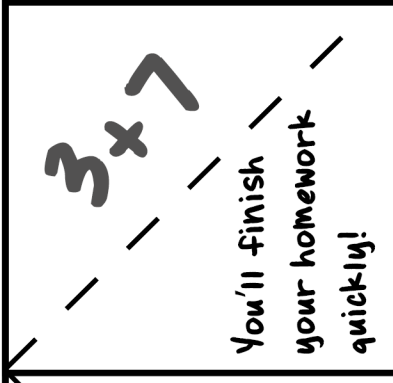
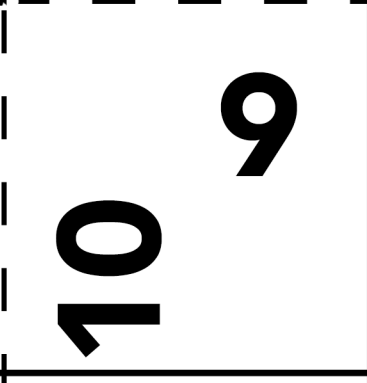
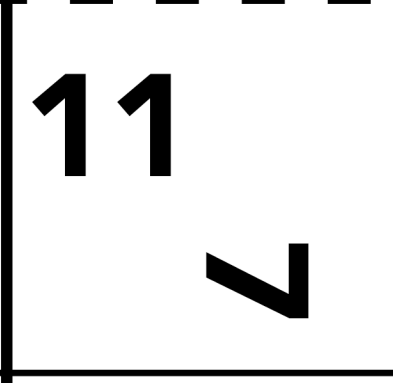
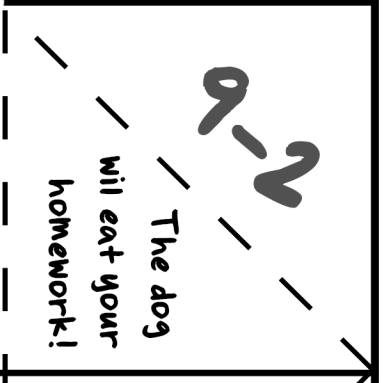

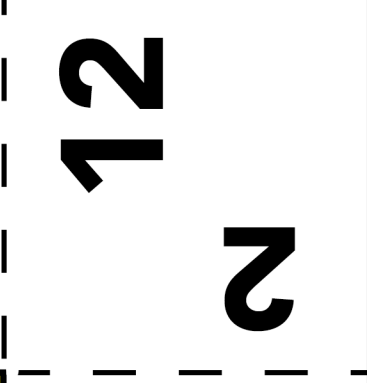
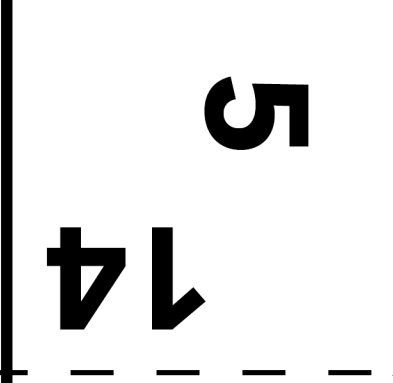
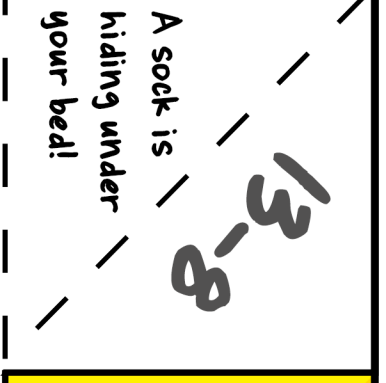


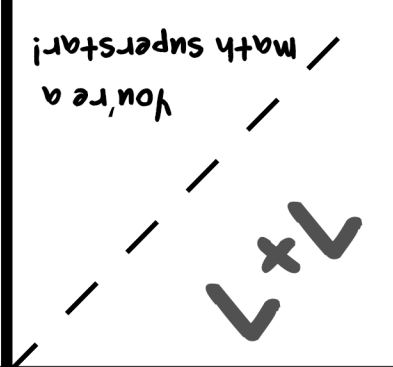



Put your fingers under the four open corners.







Here is how it looks finished and open!

# Lower Elementary

 <p>MATHNASIUM The Math Learning Center</p> <p><math>2+4</math></p>	 <p><math>20-11</math></p> <p>You will master a difficult math subject!</p>	 <p><math>6+2</math></p> <p>You'll earn an "A" on a test in school!</p>	 <p>MATHNASIUM The Math Learning Center</p> <p><math>3-7</math></p>
 <p><math>3+7</math></p> <p>You'll finish your homework quickly!</p>	 <p>9 10 6</p>	 <p>11 7</p>	 <p><math>6-2</math></p> <p>The dog will eat your homework!</p>
 <p><math>10+2</math></p> <p>You'll make a new friend soon.</p>	 <p>12 2</p>	 <p>5 14</p>	 <p><math>13-8</math></p> <p>A sock is hiding under your bed!</p>
 <p>MATHNASIUM The Math Learning Center</p> <p><math>4-1</math></p>	 <p><math>10-8</math></p> <p>You'll have good luck today!</p>	 <p><math>7+7</math></p> <p>You're a math superstar!</p>	 <p>MATHNASIUM The Math Learning Center</p> <p><math>1+1</math></p>

# Upper Elementary

(multiplication/division)

 <p><b>2 x 7</b></p>	<p><math>4 \times 3</math></p> <p>You will master a difficult math subject!</p>	<p><math>\frac{66}{9}</math></p> <p>You'll earn an "A" on a test in school!</p>	 <p><b>3   57</b></p>
<p><math>\frac{33}{3}</math></p> <p>You'll finish your homework quickly!</p>	<p><b>12</b></p> <p><b>9</b></p>	<p><b>11</b></p> <p><b>4</b></p>	<p><math>\frac{16}{4}</math></p> <p>The dog will eat your homework!</p>
<p><math>1 \times 8</math></p> <p>You'll make a new friend soon.</p>	<p><b>8</b></p> <p><b>10</b></p>	<p><b>7</b></p> <p><b>1</b></p>	<p><math>56 \div 8</math></p> <p>A sock is hiding under your bed!</p>
 <p><b>23x</b></p>	<p><math>\frac{25}{5}</math></p> <p>You'll have good luck today!</p>	<p><math>12 \div 12</math></p> <p>You're a math superstar!</p>	 <p><b>27 : 12</b></p>

# Upper Elementary

(order of operations)

<p>MATHNASIUM The Math Learning Center</p> <p><math>20 \div 2 = 4</math></p>	<p><math>1 + 9 - 9</math></p> <p>You will master a difficult math subject!</p>	<p><math>2 + 4 \times 2</math></p> <p>You'll earn an "A" on a test in school!</p>	<p>MATHNASIUM The Math Learning Center</p> <p><math>1 + 12 \div 3</math></p>
<p><math>6 \div 2 = 1</math></p> <p>You'll finish your homework quickly!</p>	<p>7 1</p>	<p>10 9</p>	<p><math>2 - 5 + 7</math></p> <p>The dog will eat your homework!</p>
<p><math>7 - 6 + 3</math></p> <p>You'll make a new friend soon.</p>	<p>4 12</p>	<p>8 11</p>	<p><math>7 \times 2 - 3</math></p> <p>A sock is hiding under your bed!</p>
<p>MATHNASIUM The Math Learning Center</p> <p><math>6 - 2 \times 2</math></p>	<p><math>9 + 21 \div 7</math></p> <p>You'll have good luck today!</p>	<p><math>7 + 3 - 2</math></p> <p>You're a math superstar!</p>	<p>MATHNASIUM The Math Learning Center</p> <p><math>2 \times 1 + 1</math></p>