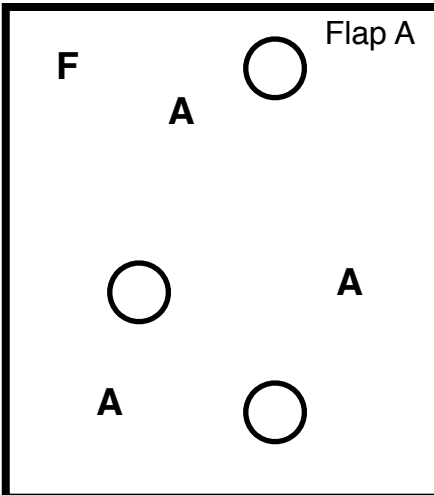
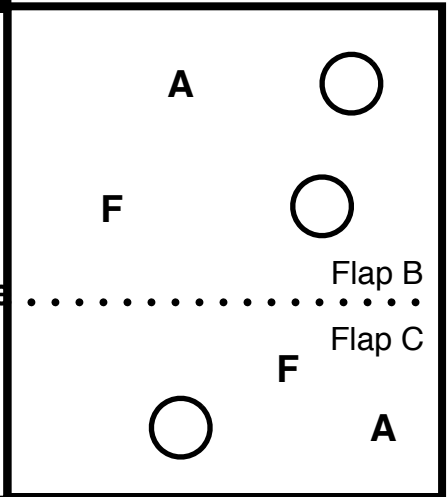
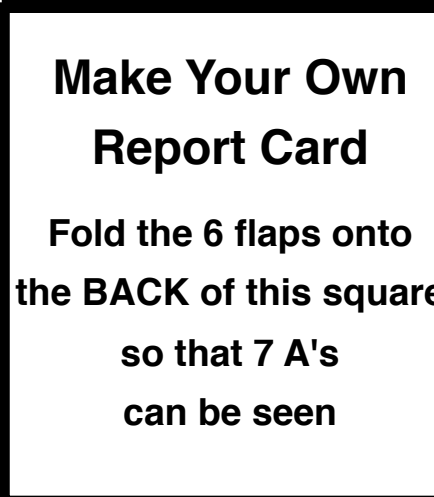
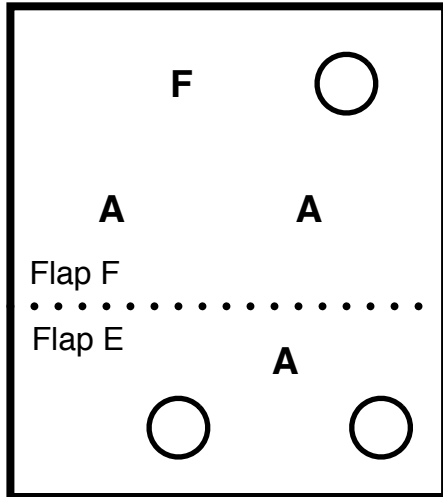


Make Your Own Report Card

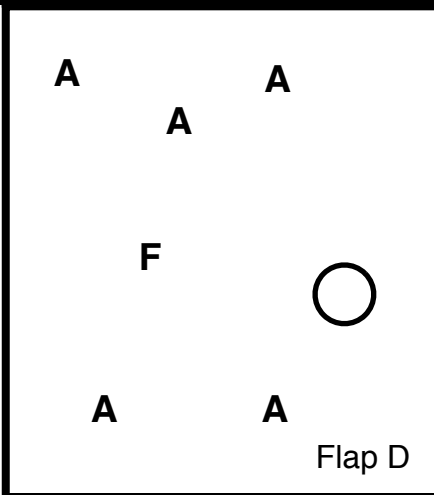
1. Cut the puzzle along the solid outside lines



2. Use a hole punch to make holes in each of the white circles



3. Cut the dotted lines between Flap F and E and Flap B and C



4. Fold the 6 flaps onto the BACK of the middle square so that 7 A's can be seen

Solution

1. Fold over flab **D**
2. Fold over flab **F**
3. Fold over flab **B**
4. Fold over flab **A**
5. Fold over flab **C**
6. Fold over flab **E**

Many students may struggle with this puzzle. They will find several ways to get 6 A's showing but will fail to find the combination that shows all 7 letter A's. It does not need to be just a trail and error procedure. When you play with the puzzle for a bit you may notice that 3 letter A's will come from the the flaps above the dotted line and the other 4 letter A's will be displayed on the parts of the flaps below the dotted line. Its seems easy to get 3 letter A's to show in the upper area. This means that the puzzle can be reduced to finding a way to display 4 letter A's in the area below the dotted lines. The rows below the doted line have 2 letter per row so we are looking for a way to display 2 letter A's in each of the 2 bottom rows to go along with 3 letters A's in area above the dotted lines. It will take students some work to get 4 letter A's in the area below the dotted lines but the reduced problem is much easier to solve.

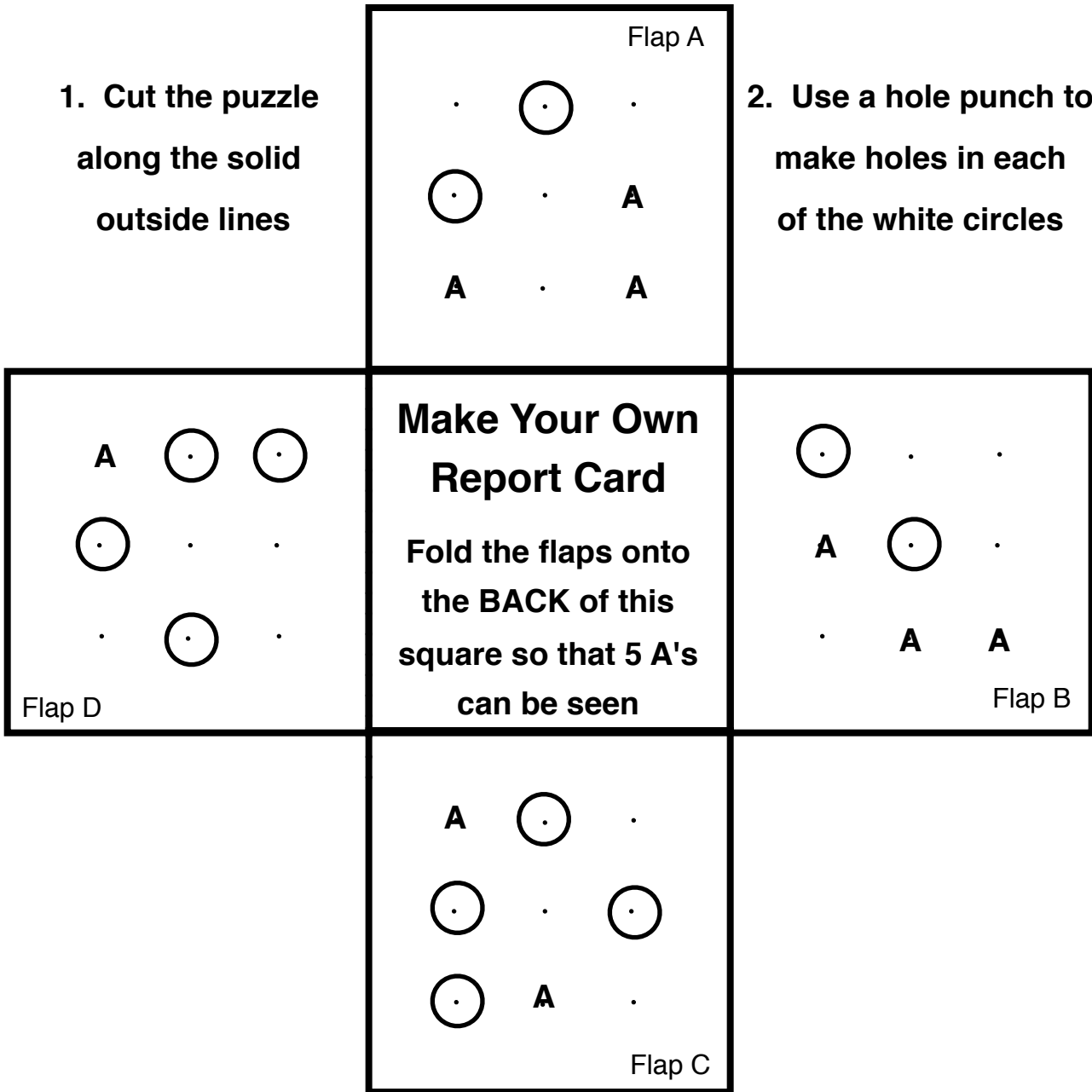
A further look at the reveals that Flaps A, B, C, D and F all have a letter F the area below the dotted lines so they cannot be the last face folded over. That leaves Flaps E as the last Flap folded over.

When a student is "stuck" you will need to ask guiding questions that help them see the information given in the 2 paragraphs above. The art of helping without giving too much help is in asking questions that lead the student to make observations. When the students make the correct observations they may see the need to focus on the 2 bottom rows. If this is not enough then further leading questions need to be asked until the correct connections are made. While it may seem you are solving the puzzle fort hem, for some students the extra support is what keeps them working on the puzzle. For these students the important issue is the discussions that lead up to the solution and not finding the solution. They will focus on getting the answer while you need to focus on the observations and questions that lead them to find the solution.

Make Your Own Report Card

1. Cut the puzzle along the solid outside lines

2. Use a hole punch to make holes in each of the white circles



Solution . Fold **Flap B**, then **Flap A** then **Flap C** then **Flap D**

Make your own puzzle.

It is often easier to make up a puzzle than it is to solve one someone else has made up.

To make a simple puzzle start with the blank puzzle below. Fold the flaps in any order you like and write down that order. The dots on each flap are where the letter or holes can go. Not every dot will have a letter or hole written on it. The number of letters you see at the end is determined by where you put the letters and holes on the flaps.

The last flap folded down will need circles that allow a letter to show under them. If a hole is in the top flaps and a letter is in that spot on the second flap then it will show in the completed puzzle. If a hole is in the same place on the 2 top flaps and a letter is in that spot on the third flap then it will show in the completed puzzle. If a hole is in the same place on the 3 top flaps and a letter is in that spot on the last flap then it will show in the completed puzzle.

If you want a letter on the first flap folded down to show you will need the 3 circles above it on the other folded flaps. Write the letter in the position on the first folded flap and draw circles in the same position on the 3 flaps above it.

If you want a letter on the second flap folded down to show you will need the 2 circles above it on the other folded flaps. Write the letter in the position on the first folded flap and draw circles in the same position on the 2 flaps above it.

If you want a letter on the third flap folded down to show you will need the 1 circle above it on the other folded flaps. Write the letter in the position on the first folded flap and draw circles in the same position on the 12 flap above it.

The last flap can have a letters on it but all of them will show as well as the ones in the circles with letter under them.

I folded all the flaps in the following order Fold **Flap B**, then **Flap A** then **Flap C** then **Flap D**. I then put a letter on Flap B(first one folded down) and put 3 circles on Flaps A, C and D in the same place as the letter. I did the for each flap until I had 5 letters showing. I added extra holes and letter, checking to be sure that no extra letters had holes above them that allowed them to show,

Try making a puzzle of your own and give it to a friend to solve.

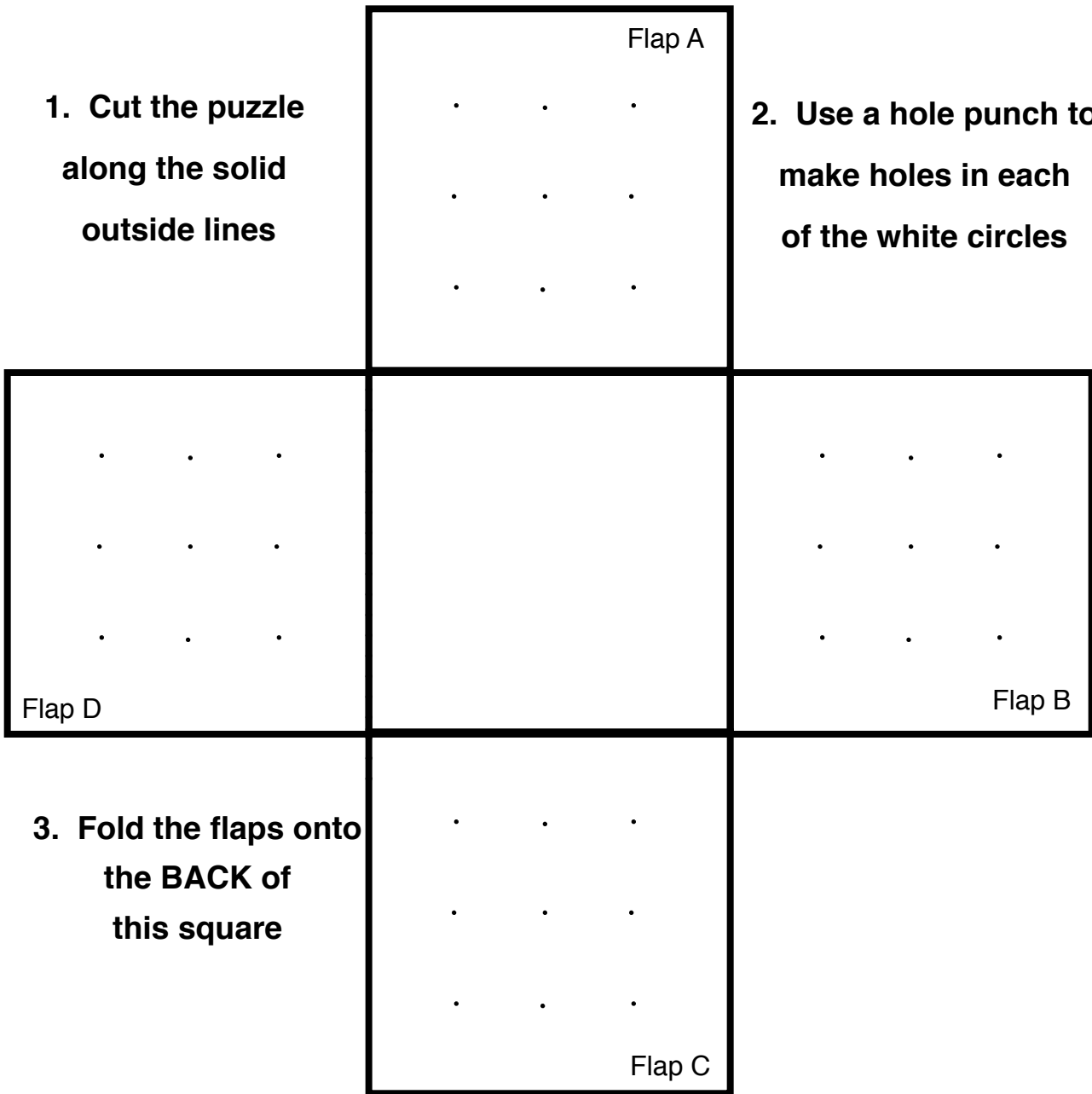
Extra ideas:

1. Use number instead of letters. The puzzle would then ask for numbers that have a given sum as the solution.
2. Select a 5 letter word. The puzzle would then ask for you to fold the flaps to get the letters to that word.
3. Put several letters on the flaps. Be sure to use 2 or 3 vowels. The puzzle would then ask for you to fold the flaps to get as many different words as possible.

Make your own puzzle.

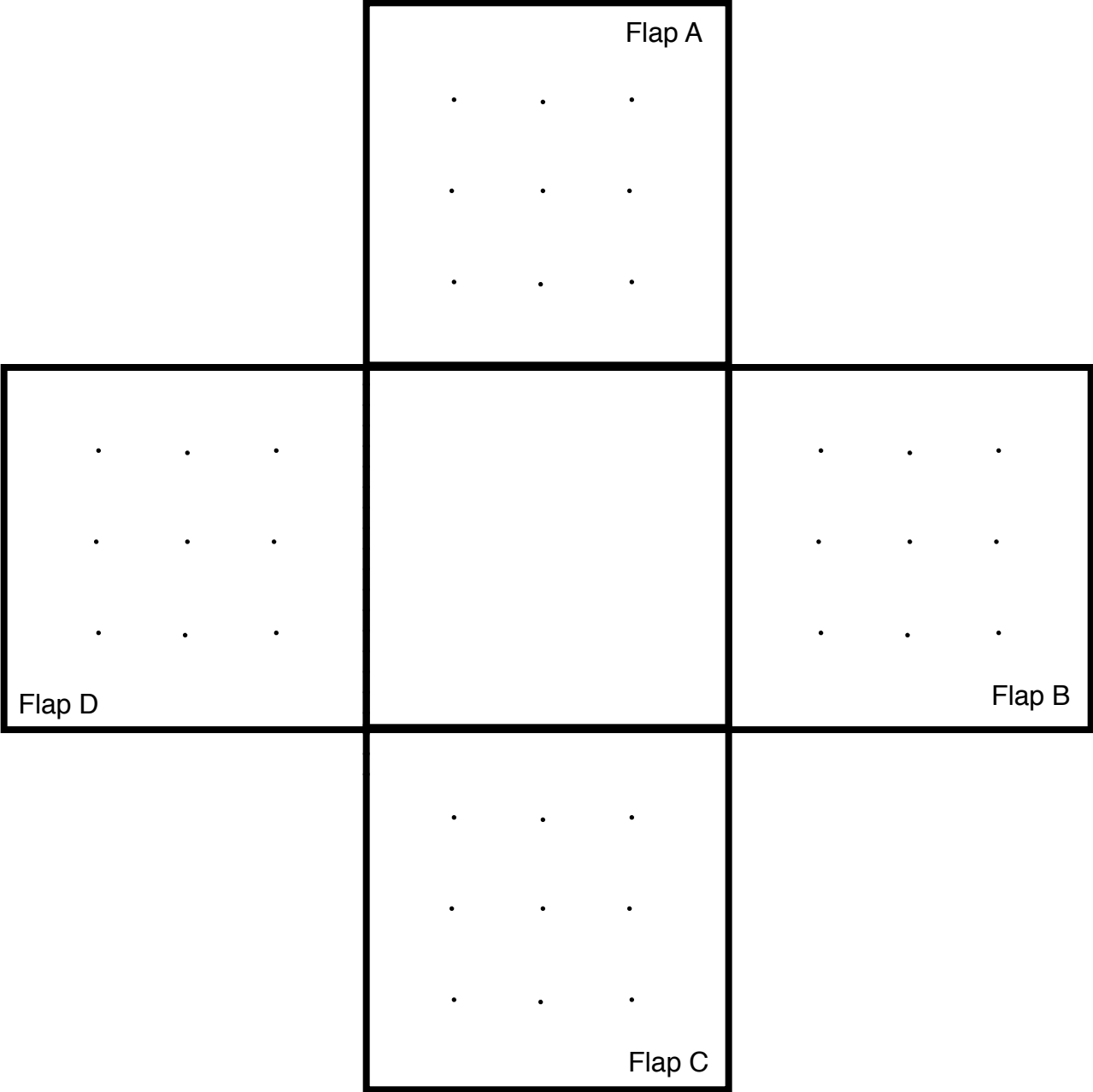
**1. Cut the puzzle
along the solid
outside lines**

**2. Use a hole punch to
make holes in each
of the white circles**



**3. Fold the flaps onto
the BACK of
this square**

Make your own puzzle.



Make your own puzzle.

