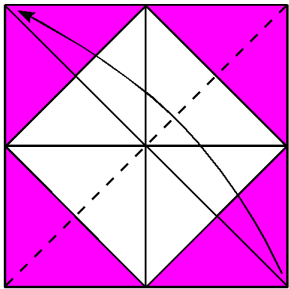# Solution to the Windmill Flexagon
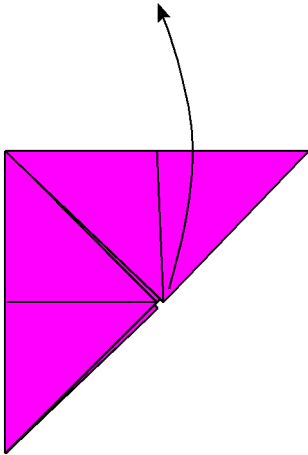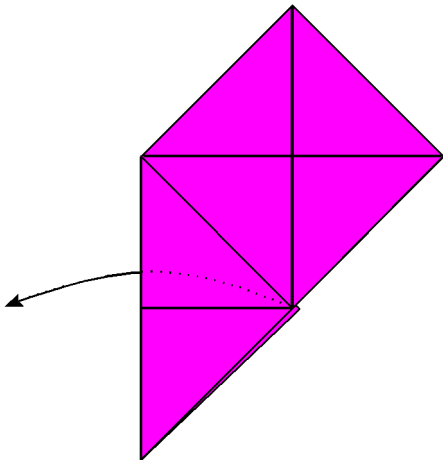
Challenge 1

1

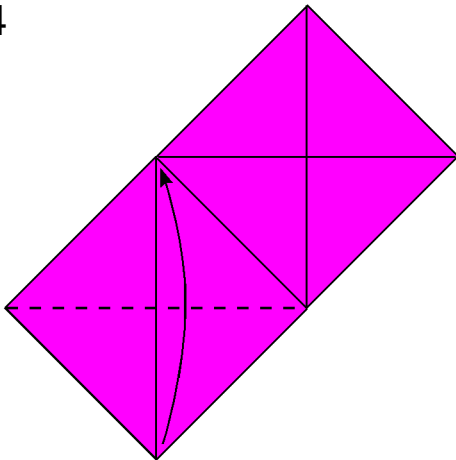1. Fold the flexagon diagonally in half.

2

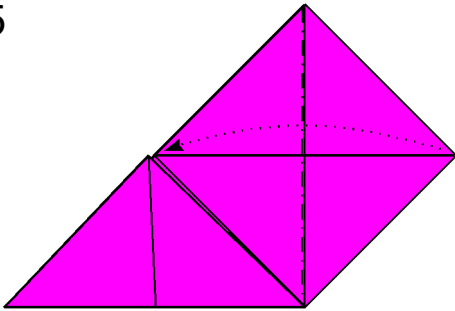2. Open the loose flap upwards.

3

3. There is another loose flap behind. Open this up sideways.
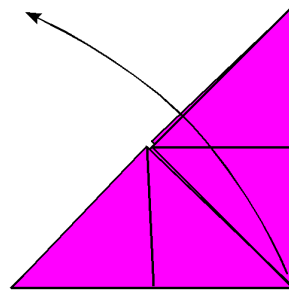
4

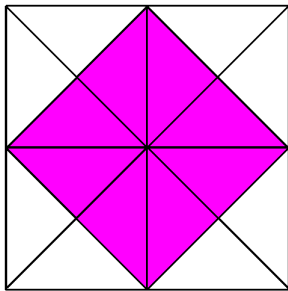4. Fold the bottom corner of the flexagon upwards.

5

5. Fold the right corner of the flexagon across to the left behind.

6

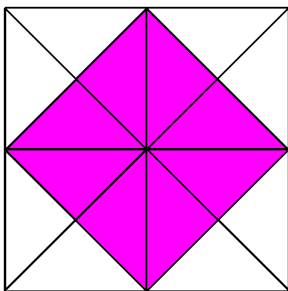6. Separate the layers at the bottom right corner then open out the top layers diagonally upwards.

7

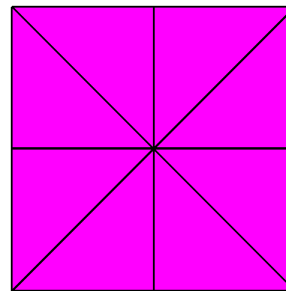7. This is the second square face. You can reverse these moves to return the flexagon to its original appearance.
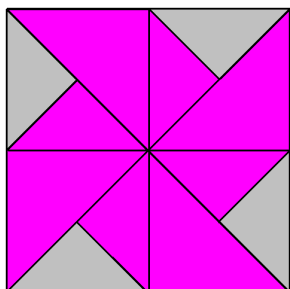
Challenge 2

1

1. Begin from the second square face. Turn over sideways.

2

2. All you have to do to find the hidden pattern is hold the flexagon up to the light.

3

3. The windmill pattern is revealed.