



Fraction Penguin

Materials

Any object with a circular base that you can use to trace a circle
White and black construction paper
Pencil
Black marker
Scissors and glue

Directions

1. Trace and cut out four black circles and two white circles. Tip: use a CD, container lid, plastic bowl, or anything with a round base to trace the circles.
2. Make four back feathers by cutting 1 whole black circle into four $\frac{1}{4}$ size pieces. Glue all four feathers onto the white belly circle. Your penguin's body now has countershading: their white bellies and black backs help penguins camouflage while swimming in the water.
3. Turn the penguin over so that the white belly is facing up.
4. Glue 1 whole black circle to the tip of the penguin's body to make its head.
5. Cut 1 whole black circle into two $\frac{1}{2}$ size pieces to make its wings. Glue the wings to the sides of your penguin's body.
6. Cut 1 whole black circle into $\frac{1}{8}$ size pieces. Glue three $\frac{1}{8}$ size pieces together to make a foot. Repeat for the second foot, then glue both feet to the bottom for the penguin's body.
7. Use the two remaining $\frac{1}{8}$ size pieces to make a beak. Put one 1 piece on top of the other to make a top and bottom beak. Glue them together just along the wide edge. Then glue the bottom beak to the penguin's face.
8. Cut 1 whole white circle into sixteen $\frac{1}{16}$ size pieces. Glue two of these pieces to the penguin's head to make eye masks.
9. Draw eyes on the eye mask and a chest band on the body.



Recipe for a Fraction Penguin

Black (4 whole circles)

1 head, size 1
2 wings for swimming, size 1/2
4 back feathers, size 1/4
6 toes for waddling and hopping, size 1/8
2 beak parts for grabbing fish, size 1/8

White (1 whole circle, plus mini slices)

1 belly, size 1
2 eye masks, size 1/16

Use a black marker to draw on eyes and a chest band, and voila!

