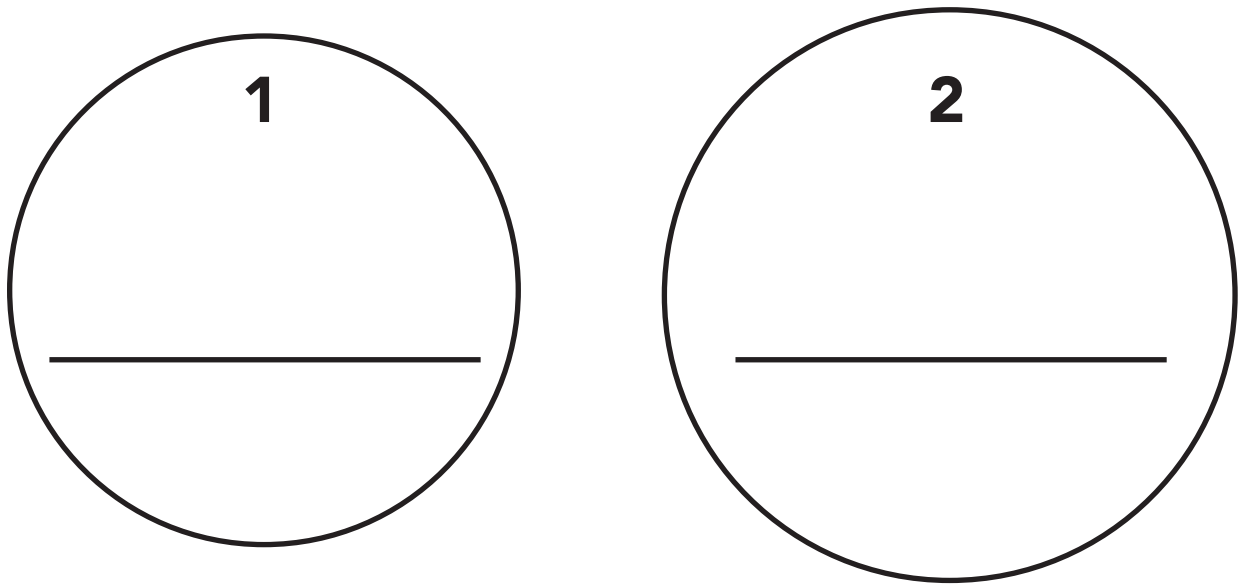


## Round and Round She Goes

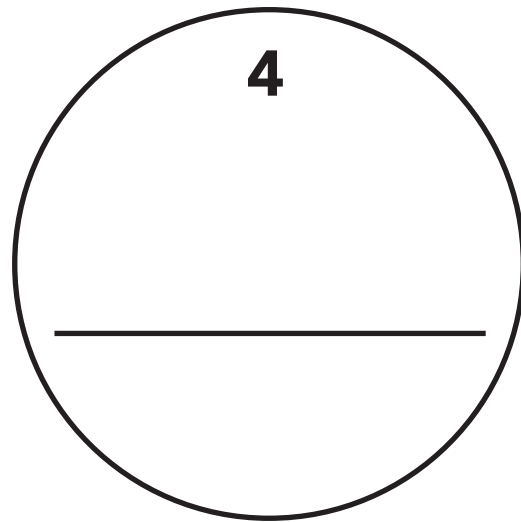
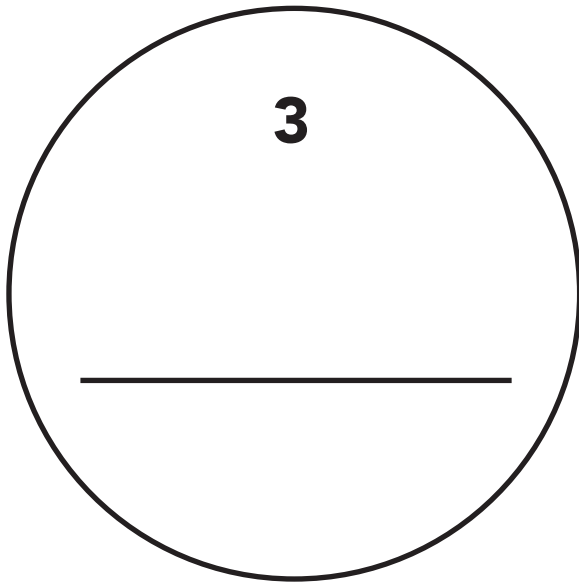
People earn income and then make choices about spending and saving their income. The first circle on this page represents all of the income the Smith family earns. Write "Income" on the line inside circle 1. The Smiths use their income to pay their expenses. The second circle represents all of their expenses. Write "Expenses" on the line inside circle 2.



### Questions:

1. Is circle 1 larger than circle 2? Yes or No? Use a ruler to compare the diameter of each circle.
2. Are they the same size? Yes or No?
  - a. If not, which one is larger? 1 or 2?
  - b. Did you make the right choice for question 1 when you looked at the circles?  
Yes or No?
3. Using the words "Income" and "Expenses" and a  $<$ ,  $>$ , or  $=$  sign, write a mathematical sentence describing the size relationship between the two circles.
4. If the Smiths want to make the two circles the same size, what must they do?

Circle 3 on this page represents all income the Harris family earns. Write "Income" on the line in circle 3. The Harris family uses its income to pay its expenses. Circle 4 represents all their expenses. Write "Expenses" on the line in circle 4.



**Questions (continued):**

5. Is circle 3 larger than circle 4? Yes or No? Use a ruler to compare the diameter of each circle.

6. Are they the same size? Yes or No?

a. If not, which one is larger? 3 or 4?

b. Did you make the right choice for question 6 when you looked at the circles?  
Yes or No?

7. Using the words "Income" and "Expenses" and a  $<$ ,  $>$ , or  $=$  sign, write a mathematical sentence describing the size relationship between the two circles.

8. If the Harris family wants to make the two circles the same size, what must it do?

# Balancing the Budget

Cut out the parts of the Trans' Income Rectangle below.

\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25