

Egging On



You need: a classmate

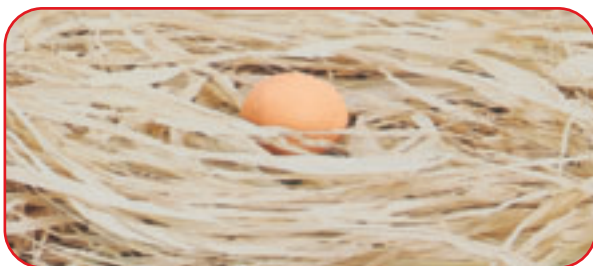
ACTIVITY ONE

Henrietta Fowler sells fresh organic eggs every Saturday morning at the market. One Saturday morning, she has only 1 egg left after serving 8 customers.

Her first customer buys half her eggs.
Her second customer buys half the remaining eggs.
Her third customer buys half of what is left.

Her egg sales continue in this way until Egbert, her ninth customer, buys the last egg. No eggs are broken.

- How many eggs did each customer buy?
 - How many eggs did Henrietta start with?
- Discuss with a classmate how you worked out the questions above.



ACTIVITY TWO

What am I?

- Try these number puzzles:
 - If you subtract 9 from half of me, you get 14. What am I?
 - If you double me, you get half of 36. What am I?
 - If you divide me by 3, you get a quarter of 20. What am I?
- For each number puzzle in question 1, discuss your thinking with a classmate.
- Make up some number puzzles for your classmate.

36

20

3

9

14

9