

# A Sticky Problem

## Activity

Rachel is helping to raise funds for her school.

She has made 40 pieces of fudge.

She can't decide how many pieces to put into each bag.

1. She puts 10 pieces in each bag.  
How many bags of fudge does she have?
2. She tries putting six pieces in each bag.
  - a. How many bags of fudge does she have now?
  - b. Will there be any pieces of fudge left over?
3. If she put eight pieces of fudge in each bag, how many bags of fudge would Rachel have?
4. If she decided to sell the fudge for 10 cents a piece, how much money would she make?
5. The fudge ingredients cost \$1.50.  
How much profit will Rachel make at 10 cents a piece?
6. Rachel's brother eats three pieces of fudge before Rachel has time to pack it away.  
How much profit does Rachel make now?