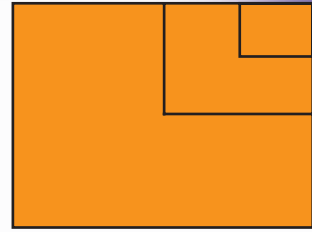# Upside Down

Problem One

a. What fraction of the area of the largest rectangle is the area of the smallest rectangle?

b. If the area of the smallest rectangle is divided into quarters, how much of the largest rectangle would each quarter be?
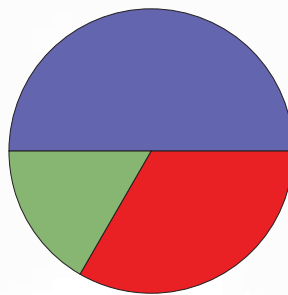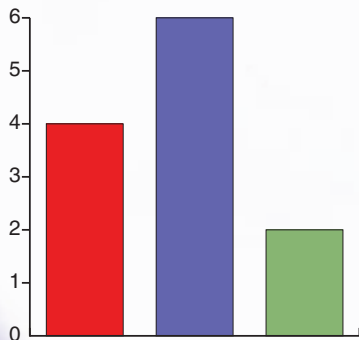
Problem Two

Sarah handed over a $2 coin to pay for a $1.20 packet of biscuits.
She received four coins as change.
What could those coins be?

Problem Three

a. Work out the answer to this addition problem:

$$552 + 818 + 255 + 689 + 181 + 986$$

b. Turn the book upside down and add the new numbers you see in this problem. What do you notice?

c. Why does this happen?

Problem Four

Could this bar graph and this pie graph be showing the same data?
Explain your answer.

Write a story about what the graphs might be showing.

Applying problem-solving strategies