NAME	DATE
Student Worksheet for Percent Up o	r Down
	3 and 1.4 side "a" is reduced in length by 20% while perimeter of the rectangle before the change is
a. bigger thanb. equal toc. smaller than	
the perimeter of the rectangle after the	he change.
•	meters circle the answer above that you think is ny you think that your answer is correct.
was it possible to create several diff same perimeter? Circle Yes or N	Ferent rectangles having different shapes that had the
On page 1.8 you are asked some que What is 20% of 10 units of side "a"? If you reduced side "a" by 20% how If you increased side "b" by 20% ho	What is 20% of 5 units of side "b"?
What is the perimeter of the rectangle	nal rectangle before the changes?
Would you like to change you answer either Yes or No. If you circled Yes, what would your	er to the first question on this worksheet? Circle new answer be?

Why do you think that the rectangle changed the way it did?
For page 1.11 given the same 10 X 5 rectangle and allowed to only increase one side by 20% and decrease the other side by 20%, how would you make the perimeter of the rectangle bigger? smaller?
Could you use the same rectangle (10 X 5) and the same rules (one side up by 20% and the other side down by 20%) and make a change that would cause the new rectangle to have the same perimeter as the old rectangle? Circle Yes or No. Explain why you think that your last answer (Yes or No) is correct.