NAME	DATE
Student Worksheet for Percent Percent	
In the rectangles shown on pages 1.3 and side "b" is increased by 20%. The area of	1.4 side "a" is reduced in length by 20% while of the rectangle before the change is
<ul><li>a. bigger than</li><li>b. equal to</li><li>c. smaller than</li></ul>	
the area of the rectangle after the change.	
Without actually measuring the rectangle correct. In the space below write why yo	es circle the answer above that you think is ou think that your answer is correct.
same area? Circle Yes or No.	
On page 1.8 you are asked some question What is 20% of 10 units of side "a"? If you reduced side "a" by 20% how long If you increased side "b" by 20% how long	What is 20% of 5 units of side "b"?
For page 1.7 answer the following questi What was the area of the original rectang What is the area of the rectangle after the Did the changes make the area smaller or	ele before the changes?
Would you like to change you answer to either Yes or No. If you circled Yes, what would your new	the first question on this worksheet? Circle 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 area 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 area as the old rectangle?  Circle Yes or No.  Explain why you think that your last answer (Yes or No) is correct.
Go back to page 1.9 on the handheld and confirm that your answers to the last few questions are correct. Why do you think that the rectangle changes this way?