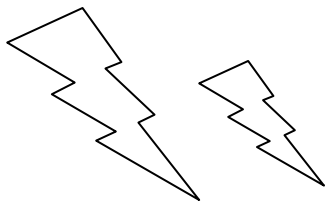


Proportional

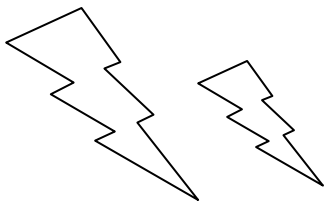


Pictures



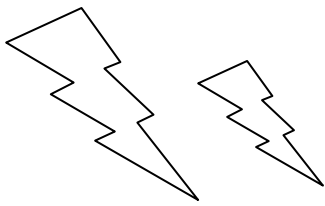
Proportional Pictures

7						
6						
5						
4						
3						
2						
1						
	A	B	C	D	E	F



Proportional Pictures

7																			
6																			
5																			
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3																			
2																			
1																			
	A		B		C		D		E		F								



Proportional Pictures

1. Are the two figures that you have drawn similar? Explain.
2. What scale have you used to make your larger drawing?
3. Using your two figures compare their perimeters and areas using the chart below. Use string to help you estimate the perimeter.

	SMALL PICTURE	LARGE PICTURE	RATIO: $\frac{\text{LARGE PICTURE}}{\text{SMALL PICTURE}} = \text{x.xx}$
PERIMETER			_____ =
AREA			_____ =

4. About how many times greater is the perimeter of the large figure? Why do you think that the perimeter is this many times greater?
5. About how many times greater is the area of the large figure? Why do you think that the area is this many times greater?
6. If we had made our large picture five times larger than the small picture, how many times larger would the area have been? Explain your reasoning. Can you generalize a rule for this relationship?