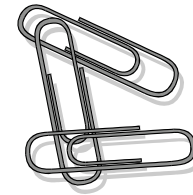


Proportional Links

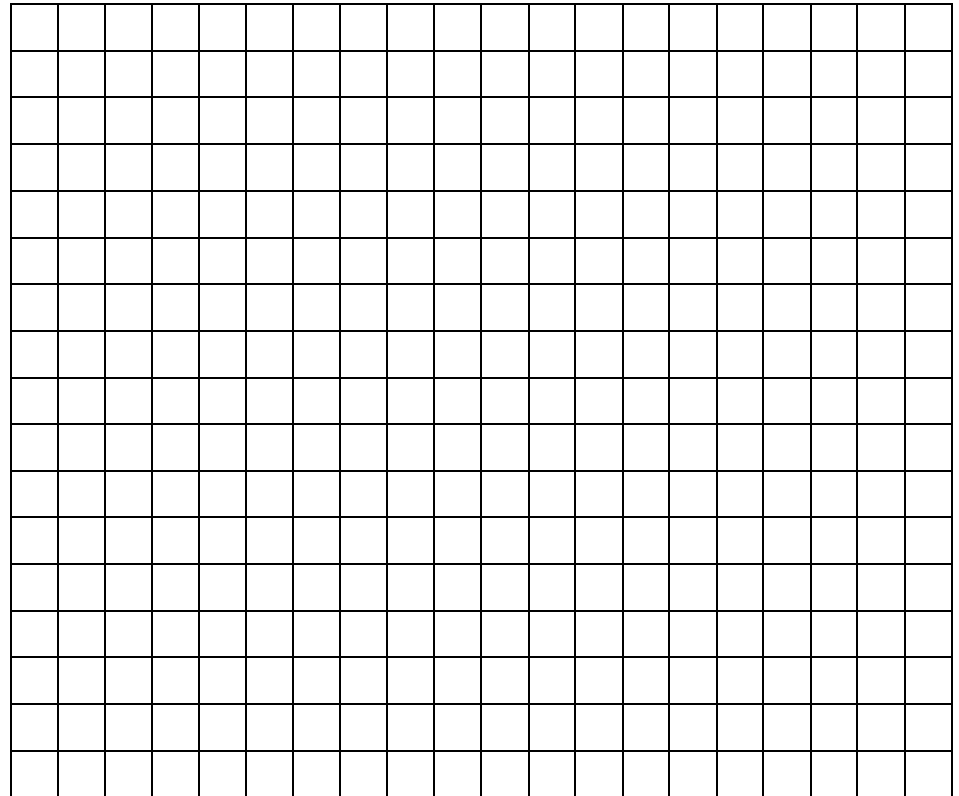


Sasha has a chain of standard paper clips and Malia has a chain of jumbo paper clips. If Malia told Sasha the length of an object in jumbo paper clips, how could Sasha change that number into standard clip lengths?

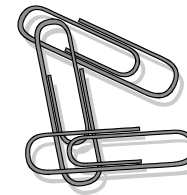
1. Complete the table of values by building chains of jumbo paper clips and standard paper clips.

Number of jumbo paper clips	Number of standard paper clips
0	
2	
4	
6	
8	
10	
12	

2. Make a coordinate graph of your data



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3. What patterns do you see in the table?
4. How many times bigger is the standard paper clip number than the jumbo paper clip number?
5. What patterns do you see in the graph?
6. How can you use the patterns to determine the length of an object in standard paper clips if you know its length in jumbo paper clips?
7. Use a jumbo paper clip chain to measure an item in the classroom more than 8 jumbo clips. Determine the item's length in standard paper clips using your strategy from #6.

Object	Length in jumbo paper clips	Length in standard paper clips

8. Check your answer with a standard paper clip chain.
9. If Sasha measured an object with a length of 90 standard paper clips, how long will the object be if Malia measured it in jumbo paper clips? _____
10. If Malia measured an object with a length of 55 jumbo paper clips, how long will the object be if Sasha measured it in standard paper clips? _____