

Scatter Matters Revisited

Part 1: Find your height data from the Scatter Matters Results under chapter 9.

Next remeasure yourself and find your new height in centimeters.

Old height: _____

New height: _____

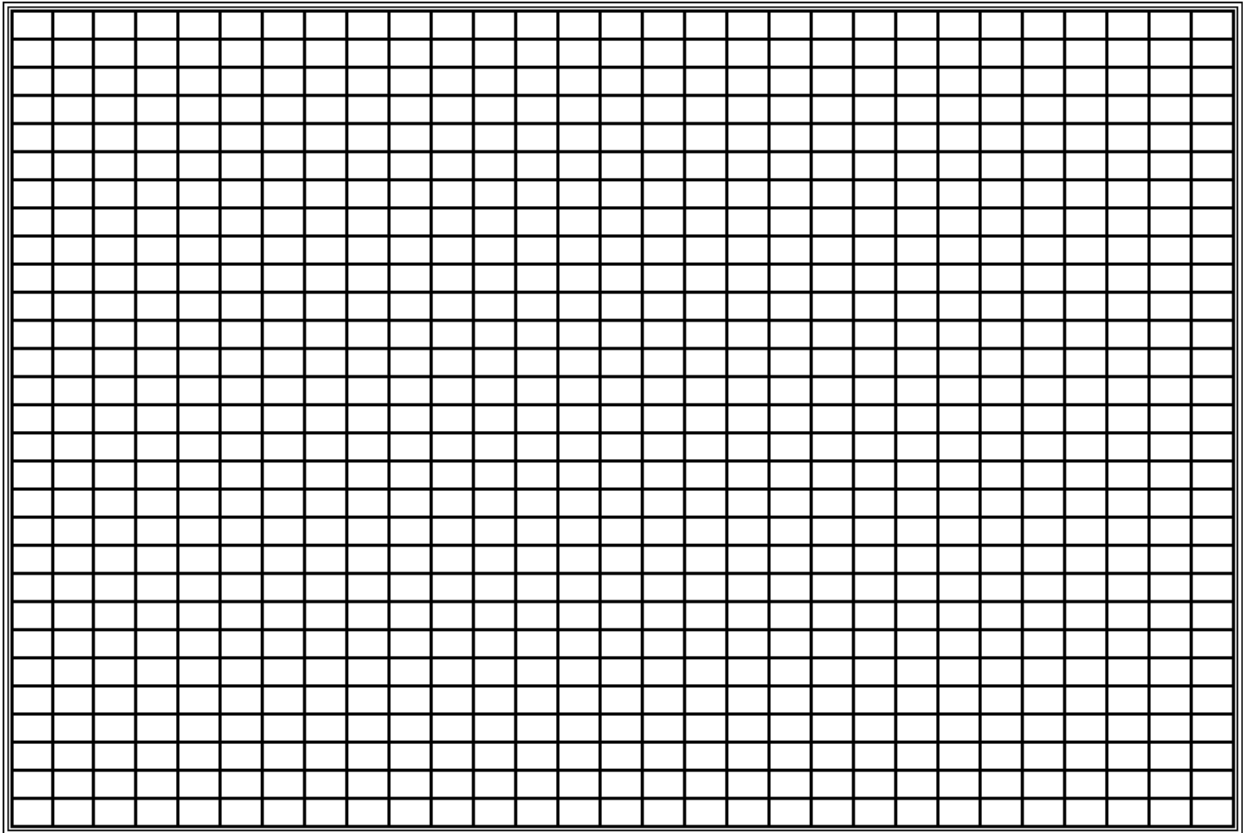
Part 2: How much have you grown?

It has been 6 months since we collected the scatter matters data.

Calculate your total growth: _____

What would your yearly growth rate be? _____

Part 3: Graph and predict



1. Label your X axis as time. This will be measured in years. Label the Y axis as height in centimeters.
2. Your first point will be your first measurement. This will be at when time is zero. Graph this point. Hint: this should be your y-intercept
3. Your second point will be the new measurement. Time will be at $\frac{1}{2}$ year. Graph this point.

4. Create a line between the two points. Now use your graph to predict your heights at the specified time.

| Year | Height |
|-------------|---------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |

5. What do you think of the predictions? Do you think this graph will accurately predict your height? Do you think you will be shorter or taller? When do you think you will reach your maximum height?