


Excel: Scroll-bars

View > Toolbars > Forms enables the Forms menu.



 puts a **scroll-bar** (or slider) on the screen. This returns an integer value between 0 and a fixed number.

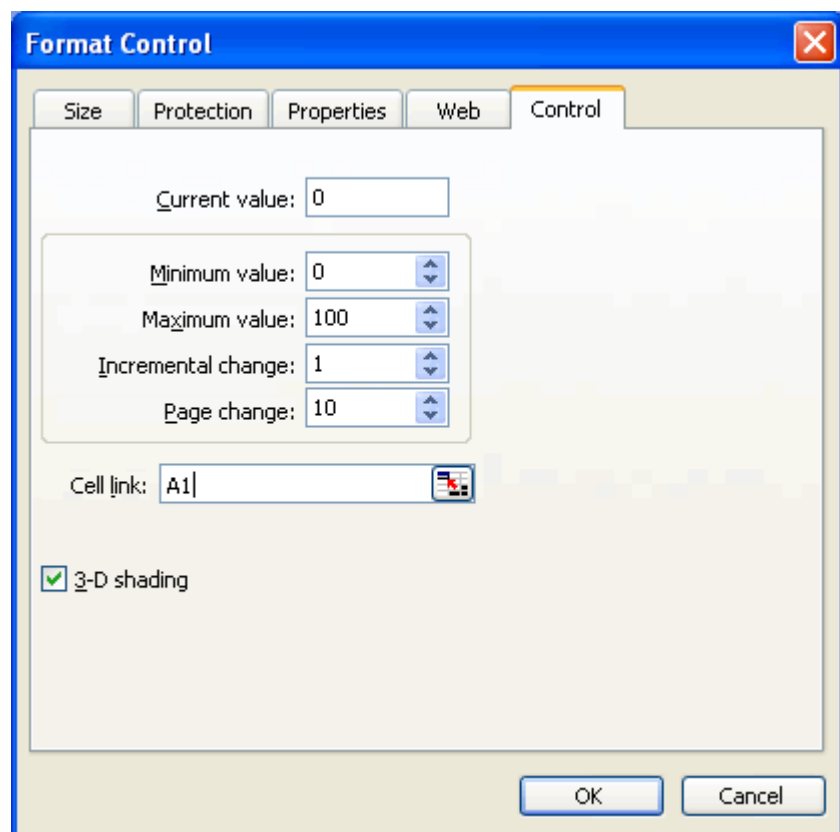
Working with scroll-bars

Select the scroll-bar from the forms menu and place one on the screen by holding down the left mouse button to create a rectangle.



”Right-clicking” and selecting **Format Control** on a scroll-bar allows you to link it to a cell. This can be done by selecting the **Control** tab and placing a cell-reference in the **cell link** box. (You may have to click outside the scrollbar before it works).

See page 2 for details about how to create an interactive straight-line graph.



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Creating an interactive straight line graph

1. Create two scroll bars linking one to cell A1 and one to cell B1.
2. Enter the following formula in A5: $=A1/10-5$
Enter the following formula in B5: $=B1/10-5$


As the values in A1 and B1 can only take positive integer values (or 0) the /10 allows for decimal values and the - 5 allows for negative values.

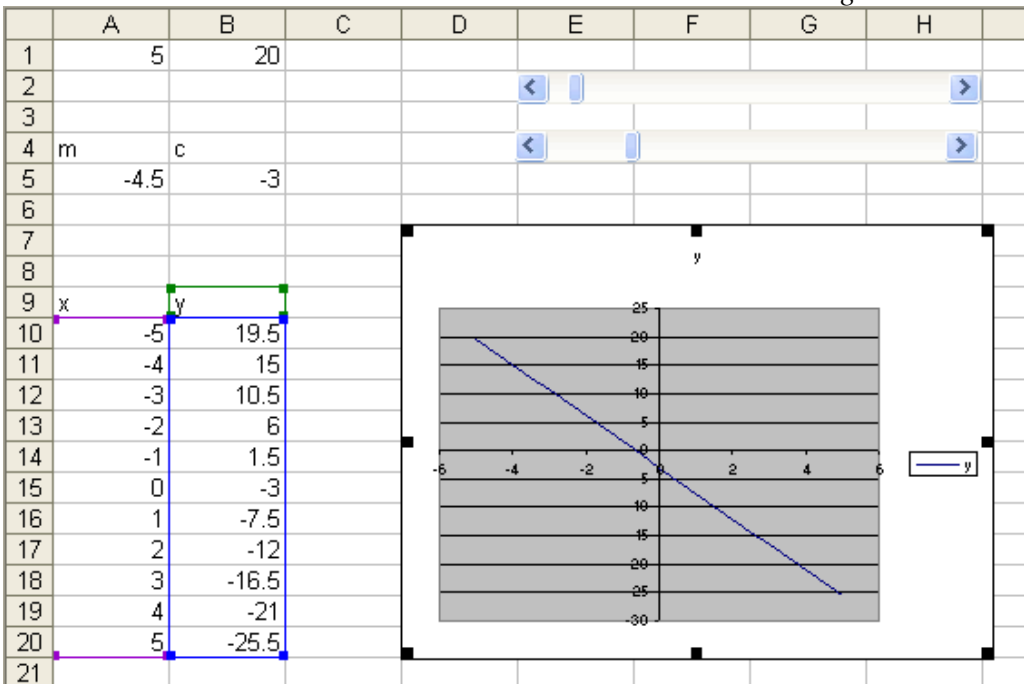
Type titles for these values. In A4 type **m** and in B4 type **c**.

Try out the scroll-bars. The screen should look something like this:

	A	B	C	D	E	F	G	H
1	5	20						
2					←			→
3								
4	m	c			←			→
5	-4.5	-3						
6								

3. Create a table of values for x ranging from -5 to 5 .
In A10 type -5 , in A11 type -4 , in A12 type -3 , etc.
In B10 enter the following formula: $=A\$5*A10+B\5 , in B11 enter: $=A\$5*A11+B\5 , in B12 enter: $=A\$5*A12+B\5 , etc.
(You can do this quickly by just typing the formula into B10 and then dragging it down. The \$-signs act as absolute cell-references).
Type titles for the table. In A9 type x and in B9 type y .

4. Select the whole table, including titles, and click on the chart wizard: 
Choose the XY (Scatter) chart-type and select the sub type with smoothed lines without markers. Press **Finish**. *The screen should look something like this:*



Hint: Right clicking on the axes and formatting the scale so the maximum and minimum values are fixed often works better.