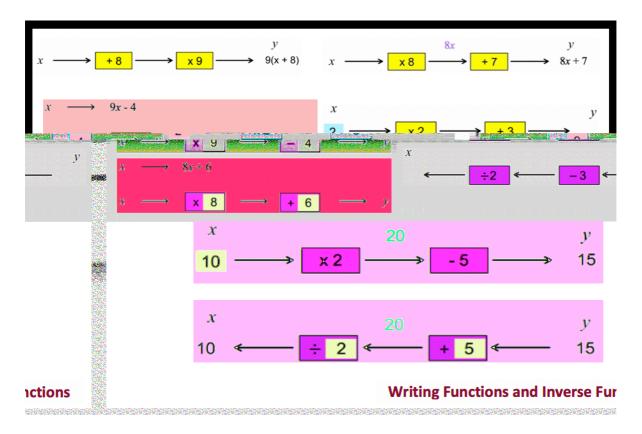
Stimulating, Practical, Interesting, Relevant, Enjoyable Maths For All

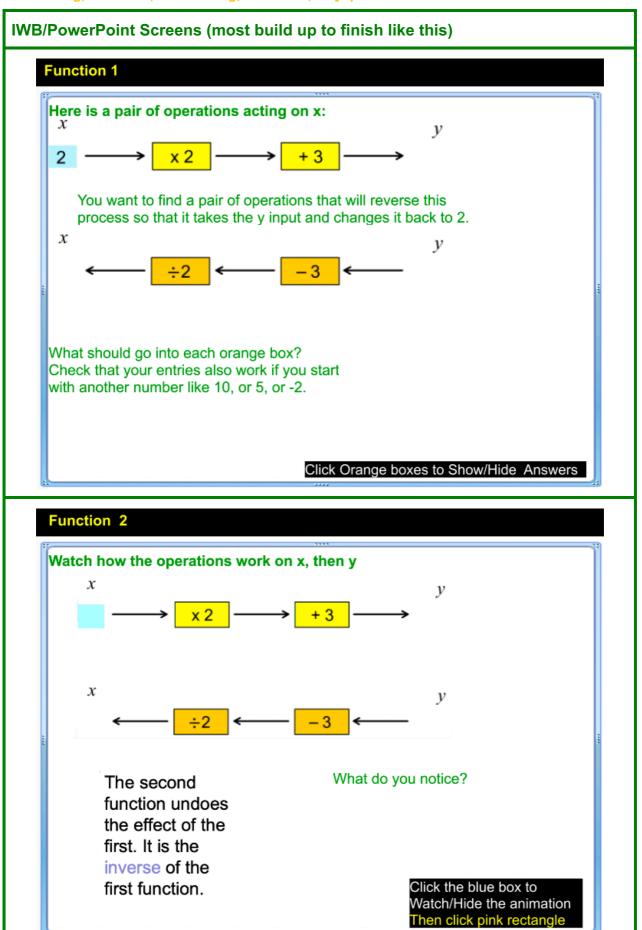
Writing Functions and Inverse Functions

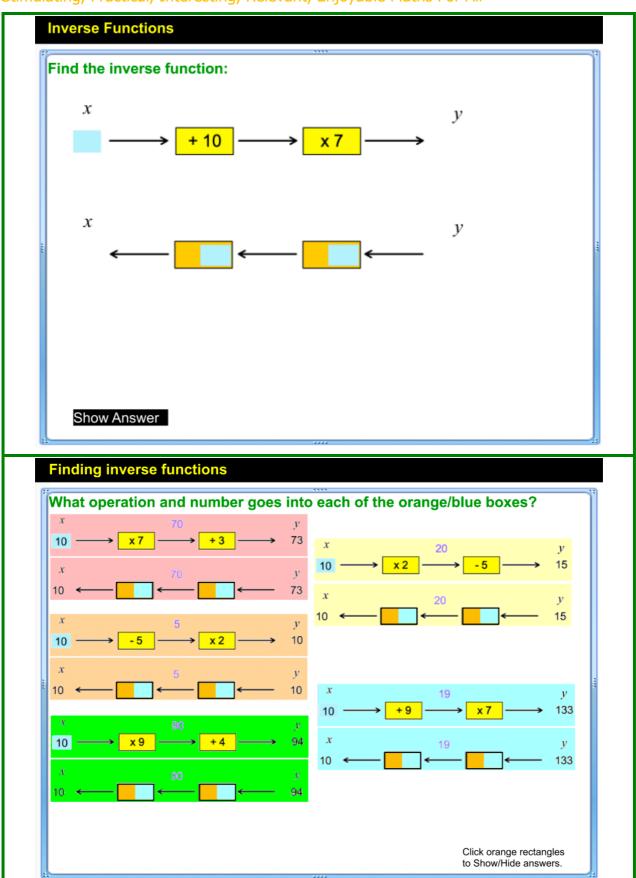


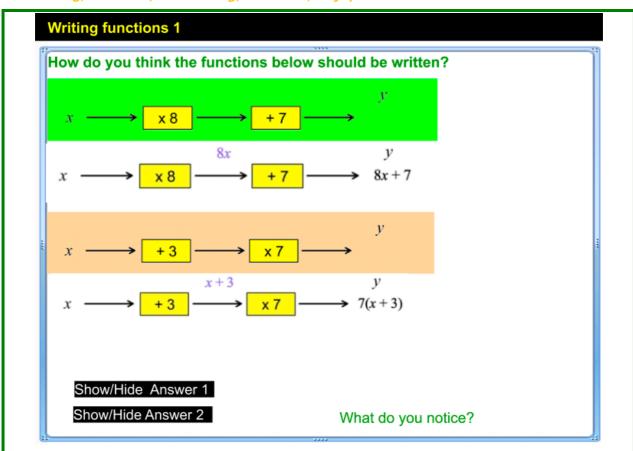
Download ActivInspire, PowerPoint and Teacher Notes from:

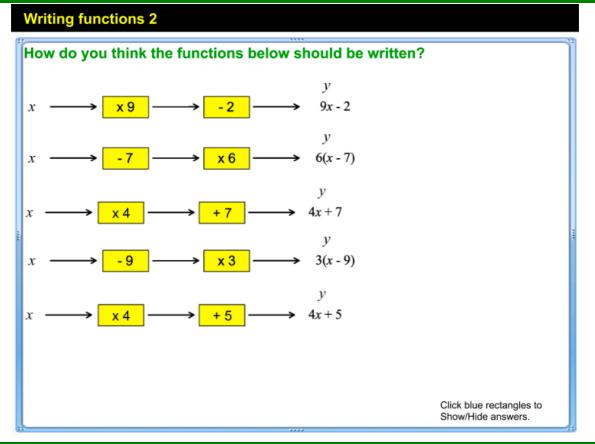
https://spiremaths.co.uk/inversefunctions/

DBJECTIVE(S):	Find the inverse of a function given by two operations on a number (one multiply by, the other add/subtract) in either order. Also to be able to write, for example x2 + 3 as 2x + 3.
DESCRIPTION and OVERVIEW:	 Given x2 +3 as two consecutive operations on the number two, find the corresponding two operations that reverse this process. Verify it works with all other numbers. Animation (gif) of this process including finding the inverse (term introduced). Another inverse example for 10 through +10 and x7 showing intermediate steps. Five examples to solve (steps shown) starting with 10. Answers given. Example x8 +7 for x to give 8x + 7, and +3 x7 to give 7(x + 3) explained via gifs. Five examples with answers for this process. Five more examples with answers. Reversing the process, starting with e.g. 5(x - 5) find the two operations: here -5 x5 as first, then a different way x5 -25. Two more with only one obvious (i.e. non-fractional) possibility. Same as previous page.
EQUIPMENT:	One photocopiable master.

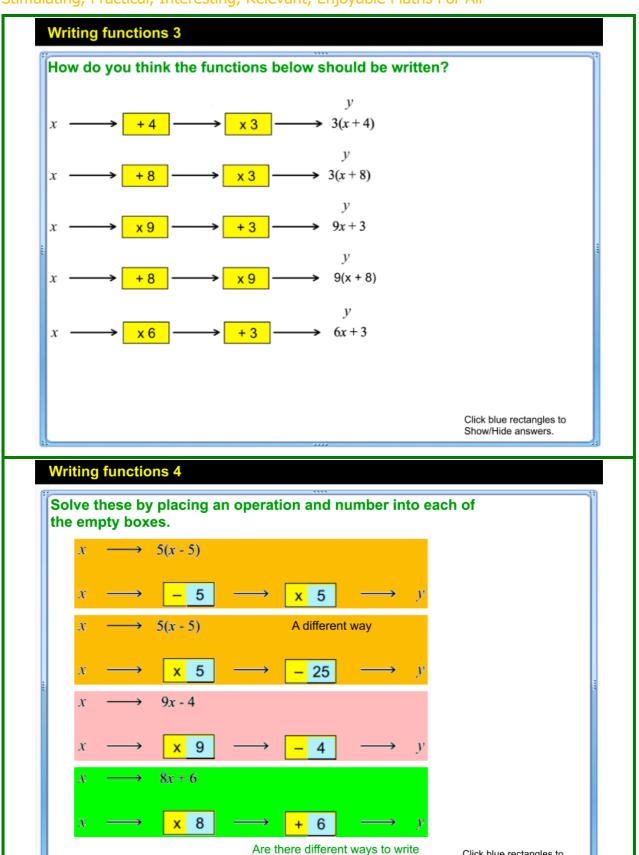








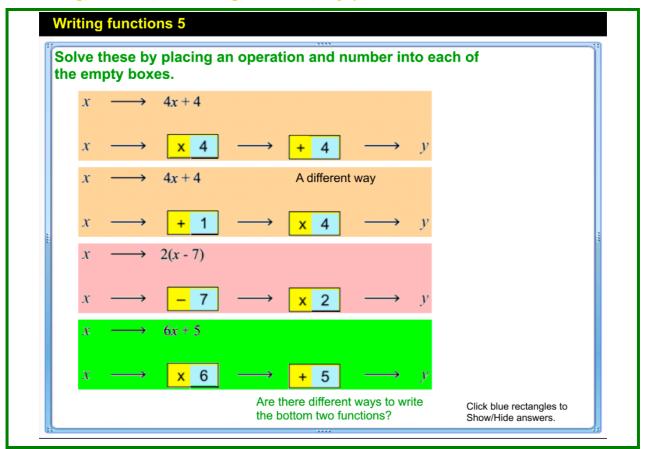
Stimulating, Practical, Interesting, Relevant, Enjoyable Maths For All



the bottom two functions?

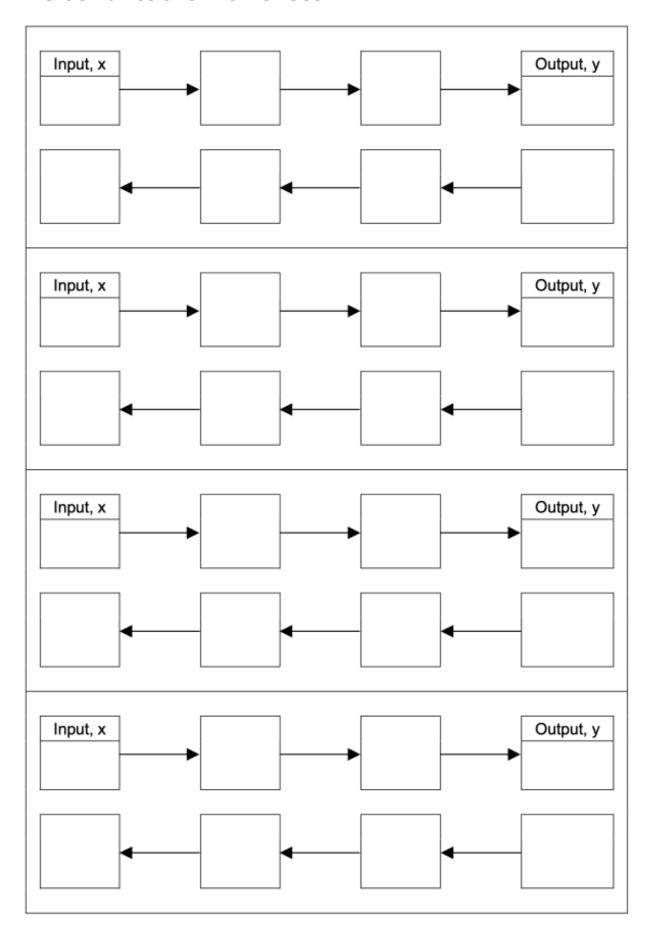
Click blue rectangles to

Show/Hide answers.



Stimulating, Practical, Interesting, Relevant, Enjoyable Maths For All

Inverse Functions Worksheet 1



Page 7 of 7 https://spiremaths.co.uk/inversefunctions/