



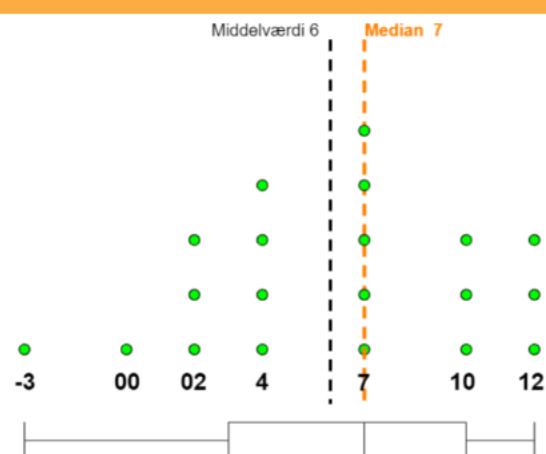
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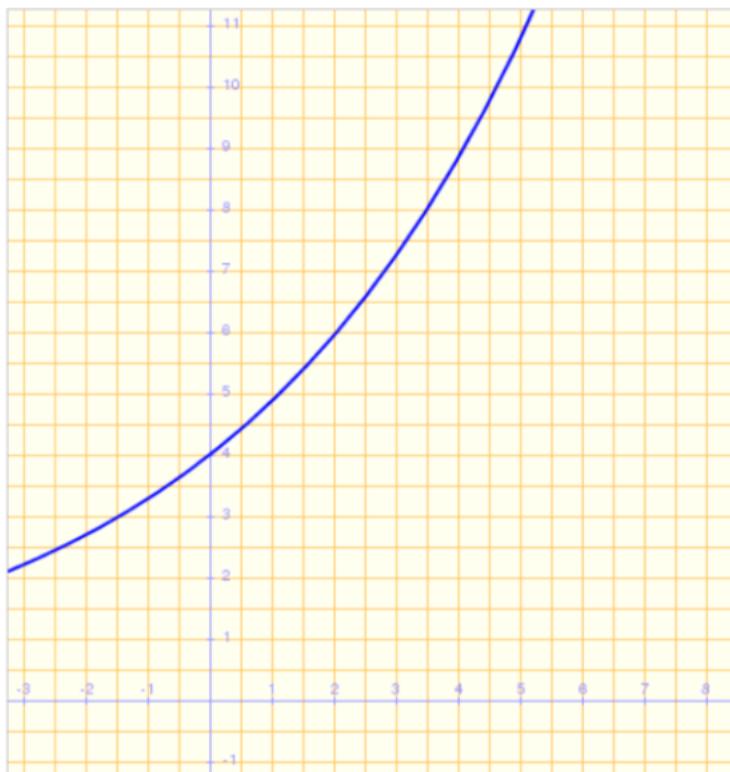
### Problem 1

- Isolate  $x$  in the equation  $2-x=4x-1.5$  using the "solve" function in CAS.
- Plot  $f(x)=2-x$  and  $g(x)=4x-1.5$  in a graph window
- Use the graphs to explain why your result from a) is correct.



- Explain how to determine the median and mean of a data set. You can select some specific characters from the animation for your explanation.
- Explain what the box plot shows about the distribution of the grades. Introduce the terms: quartile set, minimum and maximum.
- change the points and try if you can place them so that the distribution gets an outlier. How should we put the points in the figure so that it gets an outlier?

find the doubling constant  $T_2$



Read the doubling constant. Result is an integer.



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