# Graphs in chemistry: diagnostic exercise

***Education in Chemistry***  
**September 2020**  
[**rsc.li/2ZzBziL**](https://rsc.li/2ZzBziL)

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| 1. Rearrange the equation to make the subject. | 1. Turn over this piece of paper and measure out a line 20 cm long.   Along this line, make a scale which goes from 0 to 100.  What value does 1 cm on the scale represent? | 1. Rearrange the equation to make the subject. | 1. A rate equation is given below:   A graph is plotted with on the -axis and on the -axis.   1. What is the gradient of the line? 2. What is the -intercept? |
| 1. Sketch a graph of . | 1. Determine the values for the function .      |  |  | | --- | --- | | ***x*** | ***y*** | | 0 |  | | 1 |  | | 2 |  | | 3 |  | | 7. Sketch a graph of and label the axes. | 1. Determine the values for the function .      |  |  | | --- | --- | | **conc** | **rate** | | 0.01 |  | | 0.05 |  | | 0.10 |  | | 0.20 |  | |