



Helping  
Learners Help  
Themselves

By John Becking

# Tariffs Examples

## Grade 11 & 12

# Mathematical Literacy.

Explanation Video link: <https://youtu.be/XOcOSLZapi8>

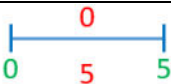


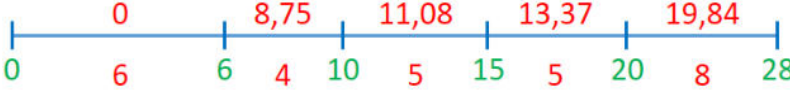

# Question

Using the following Tariff Table calculate the amount owing on the following water usages:

	Rands per Kilolitre
For the first 6kl	Free
6kl to 10kl	R8.75 per kl per month
10kl to 15kl	R11.08 per kl per month
15kl to 20kl	R13.37 per kl per month
20kl to 30kl	R19.84 per kl per month
30kl to 40kl	R21.08 per kl per month
40kl or more	R25.88 per kl per month

- 1      5kl
  - 2      7,5kl
  - 3      14kl
  - 4      28kl
  - 5      73kl
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# Memo

1	 <p> <math>0 \times 5 = R0</math>            Total Cost = <b>R0</b> </p>
2	 <p> <math>0 \times 6 = R0</math>  <math>8,75 \times 1,5 = R13,13</math>            Total Cost = <b>R13,13</b> </p>
3	 <p> <math>0 \times 6 = R0</math>  <math>8,75 \times 4 = R35</math>  <math>11,08 \times 4 = R44,32</math>            Total Cost = <b>R79,32</b> </p>
4	 <p> <math>0 \times 6 = R0</math>  <math>8,75 \times 4 = R35</math>  <math>11,08 \times 5 = R55,40</math>  <math>13,37 \times 5 = R66,85</math>  <math>19,84 \times 8 = R158,72</math>            Total Cost = <b>R315,97</b> </p>
5	 <p> <math>0 \times 6 = R0</math>  <math>8,75 \times 4 = R35</math>  <math>11,08 \times 5 = R55,40</math>  <math>13,37 \times 5 = R66,85</math>  <math>19,84 \times 10 = R198,40</math>  <math>21,08 \times 10 = R210,80</math>  <math>25,88 \times 33 = R854,04</math>            Total Cost = <b>R1 420,49</b> </p>