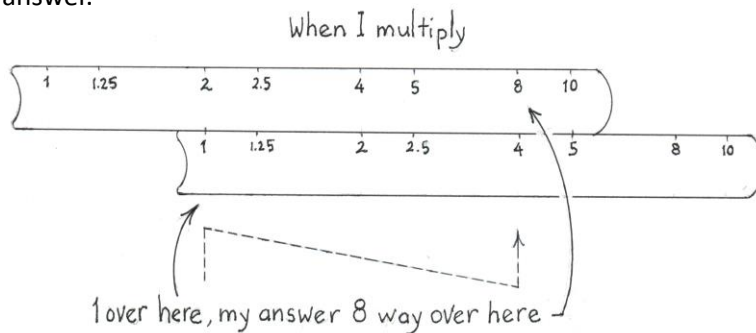# HOW TO USE THE RANBIR SLIDE RULE

Pages 30 – 31 of **RANBIR** explain how to use your slats as a simple slide rule to multiply and divide big scary numbers through the much simpler process of adding and subtracting. The numbers on the top and bottom of each slat are arranged according to a logarithmic scale ("squishy scale") where everything looks big on the left and gets squishier the further to the right you go. Because it is used to *calculate* ("do math", in this case multiplying and dividing) it **begins with 1** and goes all the way to **10**.

To multiply **2 X 4 = 8**, place one slat above the other slat. Slide the bottom slat to the right so that **1** lines up with **2** on the top slat. Look over to **4** on the bottom slat and find **8** above it as your answer.

When I multiply

| 1 | 1.25 | | 2 | 2.5 | | 4 | 5 | | 8 | 10 |
| 1 | 1.25 | | 2 | 2.5 | | 4 | 5 | | 8 | 10 |

1 over here, my answer 8 way over here

To divide **8 by 4 = 2**, place **4** on your bottom slat under **8** on your top slat. Look over to **1** on your bottom slat. Above it is the answer **2**.

When I divide

| 1 | 1.25 | | 2 | 2.5 | | 4 | 5 | | 8 | 10 |
| 1 | 1.25 | | 2 | 2.5 | | 4 | 5 | | 8 | 10 |

my answer 2 right above the 1