Subscript Examples with SimBraille

1. Open parenthesis x sub one comma x sub two close parenthesis is written

   (x_1, x_2)

   ⠐⠣⠭⠩⠂ ⠭⠩⠐⠜

2. The area of a trapezoid A equals open fraction h over two close fraction open parenthesis b sub one plus b sub two close parenthesis is equal to open fraction h open parenthesis b sub one plus b sub two close parenthesis over two equals one-half open parenthesis b sub one plus b sub two close parenthesis h is written

   $$A = \frac{h}{2}(b_1 + b_2)$$
   $$= \frac{h(b_1 + b_2)}{2}$$
   $$= \frac{1}{2}(b_1 + b_2)h$$

   ⠁⠐⠶ ⠓⠌ ⠐⠣⠓⠣⠃⠩⠂⠐⠖⠃⠩⠜⠌⠓⠜⠶⠓⠌⠓⠣⠃⠩⠂⠐⠖⠃⠩⠜⠌⠓⠜⠶⠓⠌⠓⠣⠃⠩⠂⠐⠖⠃⠩⠜⠌⠓⠜⠶⠓

3. Water which is also known as H two O is written

   H_2O

   ⠠⠓⠆⠠⠕

4. a sub i is written

   a_i

   ⠁⠌⠊

5. The equation a sub n equals a sub n minus one plus three is written

   $a_n = a_{n-1} + 3$

   ⠁⠌⠝ ⠨⠅ ⠁⠌⠝⠤⠡⠁ ⠖ ⠉

6. The equation a equals open fraction v sub f minus v sub i over t close fraction is written

   $a_n = a_{n-1} + 3$

   ⠁⠨⠅ ⠧⠌⠋ ⠤ ⠧⠌⠊ ⠳ ⠞ ⠨⠱

7. The log base b of a is written

   $\log_b a$

   ⠇⠕⠛⠌⠃ ⠁

8. The log base two of x is written

   $\log_2 x$

   ⠇⠕⠛⠌⠆ ⠭

9. The number of permutations of n objects taken r at a time is written

   ${}_nP_r$ or $P_{n,r}$

   ⠏⠌⠝⠁⠗ ⠕⠗ ⠏⠌⠝⠂⠗

10. The number of combinations of n objects taken r at a time is written

$_nC_r$ or $C_{n,r}$

⠰⠉⠻⠝⠉⠻⠗ ⠕⠋ ⠉⠕⠍⠃⠊⠝⠁⠞⠊⠕⠝⠎

11. The number of permutations of five objects taken three at a time is written

$_5P_3$ or $P_{5,3}$

⠰⠏⠻⠝⠏⠻⠗ ⠕⠋ ⠏⠻⠍⠃⠊⠝⠁⠞⠊⠕⠝⠎

12. The number of combinations of five objects taken three at a time is written

$_5C_3$ or $C_{5,3}$

⠰⠉⠻⠝⠉⠻⠗ ⠕⠋ ⠉⠻⠍⠃⠊⠝⠁⠞⠊⠕⠝⠎

13. The equation one zero one one zero sub two equals twenty-two sub ten is written

$10110_2 = 22_{10}$

⠼⠁⠚⠁⠁⠚⠰⠃ ⠶ ⠼⠃⠃⠰⠁⠚