

## Vui toán

# The Beauty of Mathematics

$$\begin{aligned}1 \times 8 + 1 &= 9 \\12 \times 8 + 2 &= 98 \\123 \times 8 + 3 &= 987 \\1234 \times 8 + 4 &= 9876 \\12345 \times 8 + 5 &= 9876 \\123456 \times 8 + 6 &= 98764 \\1234567 \times 8 + 7 &= 987643 \\12345678 \times 8 + 8 &= 987643 \\123456789 \times 8 + 9 &= 98764321\end{aligned}$$

$$\begin{aligned}1 \times 9 + 2 &= 11 \\12 \times 9 + 3 &= 111 \\123 \times 9 + 4 &= 1111 \\1234 \times 9 + 5 &= 11111 \\12345 \times 9 + 6 &= 111111 \\123456 \times 9 + 7 &= 1111111 \\1234567 \times 9 + 8 &= 11111111 \\12345678 \times 9 + 9 &= 111111111 \\123456789 \times 9 + 10 &= 1111111111\end{aligned}$$

$$\begin{aligned}9 \times 9 + 7 &= 88 \\98 \times 9 + 6 &= 888 \\987 \times 9 + 5 &= 8888 \\9876 \times 9 + 4 &= 88888 \\98765 \times 9 + 3 &= 888888 \\987654 \times 9 + 2 &= 8888888\end{aligned}$$

$$\begin{aligned}
1 \times 1 &= 1 \\
11 \times 11 &= 121 \\
111 \times 111 &= 12321 \\
1111 \times 1111 &= 1234321 \\
11111 \times 11111 &= 123454321 \\
111111 \times 111111 &= 12345654321 \\
1111111 \times 1111111 &= 1234567654321 \\
11111111 \times 11111111 &= 123456787654321 \\
111111111 \times 111111111 &= 12345678987654321
\end{aligned}$$

$$\begin{aligned}
9876543 \times 9 + 1 &= 88888888 \\
98765432 \times 9 + 0 &= 888888888
\end{aligned}$$

From a strictly mathematical viewpoint:  
 What Equals 100%?  
 What does it mean to give 100%?  
 How about ACHIEVING 100%.  
 What equals 100% in life?

If:

A B C D E F G H I J K L M N O P Q R S T U V W X Y  
 Z

Is represented as:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21  
 22 23 24 25 26.

H-A-R-D-W-O-R- K

$$8+1+18+4+23+15+18+11 = 98\%$$

and

K-N-O-W-L-E-D-G-E

$$11+14+15+23+12+5+4+7+5 = 96\%$$

## **A-T-T-I-T-U-D-E**

$$1+20+20+9+20+21+4+5 = \mathbf{100\%}$$

Therefore, one can conclude with mathematical certainty that:

While **Hard Work** and **Knowledge** will get you close,  
**Attitude** will  
get you there!