

How do I convert feet and inches to decimal in Excel?

Authored by
stats writer

June 22, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I convert feet and inches to decimal in Excel?*.

PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=146719>

Converting feet and inches to decimal in Excel is a simple process that can be done using a formula. First, the number of inches should be divided by 12 to convert it to feet. Then, this result should be added to the original number of feet. The final decimal representation can be obtained by using the CONCATENATE function to combine the feet and inches values. This formula can be used for any measurement conversion involving feet and inches in Excel. It is a quick and efficient method for converting between these two units of measurement.

Excel: Convert Feet and Inches to Decimal

You can use the following formula to convert feet and inches into a decimal in Excel:

```
=TEXTBEFORE(A2,"")+TEXTBEFORE(TEXTAFTER(A2,""),"")/12
```

This will convert the feet and inches in cell A2 into a decimal.

For example, if cell A2 contains 6'5" then this formula will convert this into 6.4167.

The following example shows how to use this formula in practice.

Example: Convert Feet and Inches to Decimal in Excel

Suppose we have the following dataset in Excel that shows the height of various athletes:

	A	B	C	D	E
1	Height				
2	6'2"				
3	6'5"				
4	5'10"				
5	5'6"				
6	5'9"				
7	6'10"				
8	6'4"				
9	4'11"				
10	7'0"				
11	6'1"				
12					
13					
14					
15					
16					

To convert each height from feet and inches into a decimal, we can type the following formula into cell B2:

`=TEXTBEFORE(A2,"")+TEXTBEFORE(TEXTAFTER(A2,""),"")/12`

We can then drag and fill this formula down to each remaining cell in column B:

B2		✕ ✓ <i>fx</i>		=TEXTBEFORE(A2,"")+TEXTBEFORE(TEXTAFTER(A2,""),"")/12				
	A	B	C	D	E	F	G	H
1	Height	Height (Decimal)						
2	6'2"	6.1667						
3	6'5"	6.4167						
4	5'10"	5.8333						
5	5'6"	5.5000						
6	5'9"	5.7500						
7	6'10"	6.8333						
8	6'4"	6.3333						
9	4'11"	4.9167						
10	7'0"	7.0000						
11	6'1"	6.0833						
12								
13								
14								
15								
16								
17								
18								

Column B now displays the feet and inches in column A as a decimal.

For example:

6 feet and 2 inches is equal to 6.1667 feet. 6 feet and 5 inches is equal to 6.4167 feet. 5 feet and 10 inches is equal to 5.8333 feet.

And so on.

How This Formula Works

=TEXTBEFORE(A2,"")+TEXTBEFORE(TEXTAFTER(A2,""),"")/12

Here is how this formula works:

First, we use TEXTBEFORE(A2, "") to extract the text before the first single quote in cell A2.

This extracts the value 6.

Next, we use TEXTBEFORE(TEXTAFTER(A2,""),"")/12 to extract the text between the single quote and the double quote and divide it by 12.

This results in $2 / 12 = 0.1667$.

Lastly, we use a plus sign (+) to add these two values.

This results in $6 + 0.1667 = 6.1667$.

The following tutorials explain how to perform other common operations in Excel: