



Module 4 : CEILING Formula

4.1 CEILING Formula

The CEILING formula in Excel allows you to round up by multiples of any given number.

For example, if you wish to purchase 6 oranges from a wholesaler, but they are only sold in multiples of 8, you will be billed for 8; if you want 15 you will be billed for 16; 20 and you will be billed for 24, etc.

Ceiling formula in Excel is best used with other logical functions like AND, IF, ISTEEXT, VLOOKUP and HLOOKUP. It is very useful when used for invoicing or billing purposes.

The formula is written as: **=CEILING(number, multiple) number** *Number - The number should be rounded. Multiple - The multiple to use when rounding.*

CEILING can also be used to round up to whole numbers when using basic mathematical equations.

For example, a group of 27 people wish to go on a sightseeing trip and they would like to hire mini coaches to take them. They know the capacity of a mini coach is 8, so how many will they need? The maths is $27 \div 8 = 3.375$. It's not possible to hire 3.375 mini coaches, of course, so you need to round the number up. The formula is written as: =CEILING(sum, multiple) Or =CEILING(27/8,1)

4.2 Video Instruction

CEILING Formula - 2m 17s

4.3 Task

Estimated Time: 10 minutes

Download the worksheet that accompanies this video by clicking below. Once downloaded, you can follow the video above as a reference and you will see how the results are reached for the CEILING formula.

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