

# EVEN and ODD in Excel

Use EVEN and ODD in Excel to round numbers. Use ISEVEN or ISODD in Excel to determine if a number is even or odd.

## ◆ EVEN function

The EVEN function rounds a positive number up to the nearest even integer.

B1		✕	✓	<i>fx</i>	=EVEN(A1)				
	A	B	C	D	E	F	G	H	I
1	114.7261	116							
2									

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The EVEN function rounds a negative number down to the nearest even integer.

B1		✕	✓	<i>fx</i>	=EVEN(A1)				
	A	B	C	D	E	F	G	H	I
1	-114.7261	-116							
2									

## ◆ ODD function

The ODD function rounds a positive number up to the nearest odd integer.

B1		✕	✓	<i>fx</i>	=ODD(A1)				
	A	B	C	D	E	F	G	H	I
1	114.7261	115							

2									
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The ODD function rounds a negative number down to the nearest odd integer.

B1									
	A	B	C	D	E	F	G	H	I
1	-114.7261	-115							
2									

## ◆ ISEVEN function

The ISEVEN function returns TRUE if a number is even and FALSE if a number is odd.

1. The ISEVEN function below returns TRUE.

B1									
	A	B	C	D	E	F	G	H	I
1	28	TRUE							
2									

2. The ISEVEN function below returns FALSE.

B1									
	A	B	C	D	E	F	G	H	I
1	29	FALSE							
2									

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Add the IF function to return Even or Odd.

3. The formula below returns Even.

B1									
	A	B	C	D	E	F	G	H	I
1	28	Even							

2

4. The formula below returns Odd.

B1    :    ✕    ✓ <i>f<sub>x</sub></i> =IF(ISEVEN(A1),"Even","Odd")									
	A	B	C	D	E	F	G	H	I
1	29	Odd							
2									

## ◆ ISODD function

The ISODD function returns TRUE if a number is odd and FALSE if a number is even.

1. The ISODD function below returns TRUE.

B1    :    ✕    ✓ <i>f<sub>x</sub></i> =ISODD(A1)									
	A	B	C	D	E	F	G	H	I
1	29	TRUE							
2									

2. The ISODD function below returns FALSE.

B1    :    ✕    ✓ <i>f<sub>x</sub></i> =ISODD(A1)									
	A	B	C	D	E	F	G	H	I
1	28	FALSE							
2									

3. Here's a cool example. Use [conditional formatting](#) and the ISODD function to highlight all odd numbers.

	A	B	C	D	E	F	G	H	I
1	90	77	33	20	96				
2	59	66	20	61	44				
3	94	99	97	41	52				
4	36	43	70	13	54				
5	15	6	28	28	15				
6									

Note: instead of using ISEVEN or ISODD to determine if a number is even or odd, use the [MOD function](#) in Excel.

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