



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.

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

◆ ODD function

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

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

B1	:	X	✓	f _x	=ODD(A1)			
A	B	C	D	E	F	G	H	I
1	-114.7261	-115						

◆ 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	:	X	✓	f _x	=ISEVEN(A1)			
A	B	C	D	E	F	G	H	I
1	28	TRUE						
2								

2. The ISEVEN function below returns FALSE.

B1	:	X	✓	f _x	=ISEVEN(A1)			
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	:	X	✓	f _x	=IF(ISEVEN(A1),"Even","Odd")			
A	B	C	D	E	F	G	H	I
1	28	Even						

4. The formula below returns Odd.

B1	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=IF(ISEVEN(A1),"Even","Odd")
A	B	C	D	E
1	29	Odd		

◆ 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	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=ISODD(A1)
A	B	C	D	E
1	29	TRUE		

2. The ISODD function below returns FALSE.

B1	<input type="button" value="X"/>	<input type="button" value="✓"/>	<input type="button" value="fx"/>	=ISODD(A1)
A	B	C	D	E
1	28	FALSE		

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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