

# Spreadsheet Functions

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## 1 Rounding Functions

### 1.1 Round

	A	B	C	D	E	F
1	=ROUND(1.1234,3)					
2						

1.123

	A	B	C	D	E	F
1	=ROUND(1.1237,3)					
2						

1.124

### 1.2 Roundup

	A	B	C	D	E	F
1	=ROUNDUP(1.1234,3)					
2						

1.124

	A	B	C	D	E	F
1	=ROUNDUP(1.1237,3)					
2						

1.124

### 1.3 Rounddown

	A	B	C	D	E	F
1	=ROUNDDOWN(1.1234,3)					
2						

1.123

	A	B	C	D	E	F
1	=ROUNDOWN(1.1237,3)					
2						

1.123

## 2 Mathematical Functions

### 2.1 SIGN

	A	B	C	D	E	F
1	=SIGN(16)					
2						

1

	A	B	C	D	E	F
1	=SIGN(-8)					
2						

-1

	A	B	C	D	E	F
1	=SIGN(0)					
2						

0

### 2.2 ABS

	A	B	C	D	E	F
1	=ABS(-25)					
2						

25

	A	B	C	D	E	F
1	=ABS(25)					
2						

25

### 2.3 POWER

	A	B	C	D	E	F
1		=POWER(2; 3)				
2						

8

	A	B	C	D	E	F
1		=POWER(10; 4)				
2						

10000

### 2.4 LOG

	A	B	C	D	E	F
1		=LOG(1000)				
2						

3

	A	B	C	D	E	F
1		=LOG(8; 2)				
2						

3

### 2.5 LN

	A	B	C	D	E	F
1		=LN(2,71828)				
2						

0.999999327347282

	A	B	C	D	E	F
1		=LN(EXP(1))				
2						

1

4

## 2.6 LOG10

	A	B	C	D	E	F
1		=LOG10(1000))				
2						

3

## 2.7 EXP

$$EXP(x) = e^x$$

	A	B	C	D	E	F
1		=EXP(1)				
2						

2.71828182845905

	A	B	C	D	E	F
1		=LN(EXP(2))				
2						

2

## 2.8 SQRT

	A	B	C	D	E	F
1		=SQRT(16)				
2						

4

## 2.9 PI

	A	B	C	D	E	F
1		=PI()				
2						

3.14159265358979

## 2.10 SIN

	A	B	C	D	E	F
1		=SIN(PI()/2)				
2						

1

## 2.11 COS

	A	B	C	D	E	F
1		=COS(2 * PI())				
2						

1

## 2.12 ISNUMBER

	A	B	C	D	E	F
1	8	=ISNUMBER(A1)				
2						

TRUE

	A	B	C	D	E	F
1	Cat	=ISNUMBER(A1)				
2						

FALSE

## 2.13 ISEVEN

	A	B	C	D	E	F
1	8	=ISEVEN(A1)				
2						

TRUE

	A	B	C	D	E	F
1	9	=ISEVEN(A1)				
2						

FALSE

## 2.14 ISODD

	A	B	C	D	E	F
1	8	=ISODD(A1)				
2						

FALSE

	A	B	C	D	E	F
1	9	=ISODD(A1)				
2						

TRUE

## 2.15 ISBLANK

	A	B	C	D	E	F
1		=ISBLANK(A1)				
2						

TRUE

	A	B	C	D	E	F
1	Cats	=ISBLANK(A1)				
2						

FALSE

## 3 Statistical Functions

### 3.1 MIN

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=MIN(A1:A4)					

### 3.2 MAX

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=MAX(A1:A4)					

12

### 3.3 VAR

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=VAR(A1:A4)					

10.9166666666667

### 3.4 STDEV

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=STDEV(A1:A4)					

3.30403793359984

### 3.5 SUM

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=SUM(A1:A4)					

35

### 3.6 PRODUCT

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=PRODUCT(A1:A4)					

4620

### 3.7 AVERAGE

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=AVERAGE(A1:A4)					

8.75

### 3.8 COUNT

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=COUNT(A1:A4)					

4

### 3.9 MEDIAN

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=MEDIAN(A1:A4)					

9.0

### 3.10 PERCENTILE

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=PERCENTILE(A1:A4; 0)					

5

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=PERCENTILE(A1:A4; 1)					

12

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=PERCENTILE(A1:A4; 0.5)					

9

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=PERCENTILE(A1:A4; 0.25)					

6.5

10

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=PERCENTILE(A1:A4; 0.75)					

11.25

### 3.11 QUARTILE

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=QUARTILE(A1:A4; 0)					

5

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=QUARTILE(A1:A4; 1)					

6.5

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=QUARTILE(A1:A4; 2)					

9

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=QUARTILE(A1:A4; 3)					

11.25

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=QUARTILE(A1:A4; 4)					

12

### 3.12 SKEW

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=SKEW(A1:A4)					

-0.592518588276328

	A	B	C	D	E	F
1	5					
2	7					
2	12					
2	11					
2	=KURT(A1:A4)					

-3.86900530272129

### 3.13 CORREL

	A	B	C	D	E	F
1	5	10				
2	7	14				
2	12	24				
2	11	22				
2	=CORREL(A1:A4; B1:B4)					

1

	A	B	C	D	E	F
1	5	22				
2	7	24				
2	12	14				
2	11	10				
2	=CORREL(A1:A4; B1:B4)					

-0.862595419847328