Totales, Porcentajes y % del Total general

1. % del Total General

```
1  % del Total de Ventas =
2  VAR Ventas =
3      SUMX(
4          Sales,
5          Sales[Quantity] * Sales[Net Price]
6      )
7  VAR VentasTotales =
8      SUMX(
9          ALL(Sales),
10         Sales[Quantity] * Sales[Net Price]
11     )
12 VAR Division =
13     DIVIDE(Ventas,VentasTotales)
14 RETURN
15     Division
```

Category	Ventas	Venta Total	% del Total de Ventas
Audio	$384.518	$30.591.344	1,26 %
Cameras and camcorders	$7.192.582	$30.591.344	23,51 %
Cell phones	$1.604.610	$30.591.344	5,25 %
Computers	$6.741.549	$30.591.344	22,04 %
Games and Toys	$360.653	$30.591.344	1,18 %
Home Appliances	$9.600.457	$30.591.344	31,38 %
Music, Movies and Audio Books	$314.207	$30.591.344	1,03 %
TV and Video	$4.392.768	$30.591.344	14,36 %
Total	**$30.591.344**	**$30.591.344**	**100,00 %**

Category	Ventas	Venta Total	% del Total de Ventas
Audio	**$384.518**	**$30.591.344**	**1,26 %**
Bluetooth Headphones	$124.451	$30.591.344	0,41 %
MP4&MP3	$170.194	$30.591.344	0,56 %
Recording Pen	$89.873	$30.591.344	0,29 %
Cameras and camcorders	**$7.192.582**	**$30.591.344**	**23,51 %**
Camcorders	$3.157.075	$30.591.344	10,32 %
Cameras & Camcorders Accessories	$800.534	$30.591.344	2,62 %
Digital Cameras	$784.936	$30.591.344	2,57 %
Digital SLR Cameras	$2.450.037	$30.591.344	8,01 %
Cell phones	**$1.604.610**	**$30.591.344**	**5,25 %**
Cell phones Accessories	$274.049	$30.591.344	0,90 %
Home & Office Phones	$92.927	$30.591.344	0,30 %
Smart phones & PDAs	$708.949	$30.591.344	2,32 %
Touch Screen Phones	$528.685	$30.591.344	1,73 %
Computers	**$6.741.549**	**$30.591.344**	**22,04 %**
Computers Accessories	$341.362	$30.591.344	1,12 %
Desktops	$1.017.127	$30.591.344	3,32 %
Laptops	$1.925.105	$30.591.344	6,29 %
Monitors	$604.386	$30.591.344	1,98 %
Printers, Scanners & Fax	$505.520	$30.591.344	1,65 %
Projectors & Screens	$2.348.048	$30.591.344	7,68 %
Games and Toys	**$360.653**	**$30.591.344**	**1,18 %**
Boxed Games	$63.808	$30.591.344	0,21 %
Download Games	$296.845	$30.591.344	0,97 %
Home Appliances	**$9.600.457**	**$30.591.344**	**31,38 %**
Air Conditioners	$712.452	$30.591.344	2,33 %
Total	**$30.591.344**	**$30.591.344**	**100,00 %**

```
1  Ventas =
2      SUMX(
3          Sales,
4          Sales[Quantity] * Sales[Net Price]
5      )
```

```
1  % del Total de Ventas =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          ALL(Sales)
6      )
7  VAR Division =
8      DIVIDE([Ventas],VentasTotales)
9  RETURN
10     Division
```



```
1  % del Total de Ventas =
2  VAR Ventas =
3      SUMX(
4          Sales,
5          Sales[Quantity] * Sales[Net Price]
6      )
7  VAR VentasTotales =
8      CALCULATE(
9          Ventas,
10         ALL(Sales)
11     )
12 VAR Division =
13     DIVIDE(Ventas,VentasTotales)
14 RETURN
15     Division
```

2. % del Total General utilizando un segmentador externo

Forma 1:

```
% del total =
    DIVIDE(
        [Sales Amount],
        CALCULATE(
            [Sales Amount],
            ALL('Product'[Subcategory]),
            VALUES('Product'[Category])
        )
    )
```

Category		Subcategory	Sales Amount	% del total
☐ Audio	⌄	Computers Accessories	$341.362	5,06 %
☐ Cameras and camcorders		Desktops	$1.017.127	15,09 %
☐ Cell phones		Laptops	$1.925.105	28,56 %
■ Computers		Monitors	$604.386	8,97 %
☐ Games and Toys		Printers, Scanners & Fax	$505.520	7,50 %
☐ Home Appliances		Projectors & Screens	$2.348.048	34,83 %
☐ Music, Movies and Audio B...		**Total**	**$6.741.549**	**100,00 %**
☐ TV and Video				

Category	Subcategory	Sales Amount	% del total
■ Audio	Bluetooth Headphones	$124.451	32,37 %
☐ Cameras and camcorders	MP4&MP3	$170.194	44,26 %
☐ Cell phones	Recording Pen	$89.873	23,37 %
☐ Computers	**Total**	**$384.518**	**100,00 %**
☐ Games and Toys			
☐ Home Appliances			
☐ Music, Movies and Audio B...			
☐ TV and Video			

Forma 2:

```
% del total =
    DIVIDE(
        [Sales Amount],
        CALCULATE(
            [Sales Amount],
            ALLSELECTED()
        )
    )
```

Category	Subcategory	Sales Amount	% del total
■ Audio	Bluetooth Headphones	$124.451	32,37 %
☐ Cameras and camcorders	MP4&MP3	$170.194	44,26 %
☐ Cell phones	Recording Pen	$89.873	23,37 %
☐ Computers	**Total**	**$384.518**	**100,00 %**
☐ Games and Toys			
☐ Home Appliances			
☐ Music, Movies and Audio B...			
☐ TV and Video			

Forma 3:

```
% del total =
    DIVIDE(
        [Sales Amount],
        CALCULATE(
            [Sales Amount],
            ALLEXCEPT(
                'Product',
                'Product'[Category]
            )
        )
    )
```

Category	Subcategory	Sales Amount	% del total
■ Audio	Bluetooth Headphones	$124.451	32,37 %
☐ Cameras and camcorders	MP4&MP3	$170.194	44,26 %
☐ Cell phones	Recording Pen	$89.873	23,37 %
☐ Computers	**Total**	**$384.518**	**100,00 %**
☐ Games and Toys			
☐ Home Appliances			
☐ Music, Movies and Audio B...			
☐ TV and Video			

3. % del Total General utilizando un segmentador externo

```
% del total =
    DIVIDE(
        [Sales Amount],
        CALCULATE(
            [Sales Amount],
            ALLSELECTED('Product'[Brand])
        )
    )
```

```
% del total =
    DIVIDE(
        [Sales Amount],
        CALCULATE(
            [Sales Amount],
            ALLSELECTED()
        )
    )
```

Brand
- ■ A. Datum
- ☐ Adventure Works
- ■ Contoso
- ☐ Fabrikam
- ■ Litware
- ☐ Northwind Traders
- ☐ Proseware
- ☐ Southridge Video
- ☐ Tailspin Toys

Brand	Sales Amount	% del total
A. Datum	$2.096.185	16,50 %
Contoso	$7.352.399	57,87 %
Litware	$3.255.704	25,63 %
Total	**$12.704.288**	**100,00 %**

4. % del Total General utilizando un segmentador externo

```
% On All =
VAR Numerador = [Sales Amount]
Var Denominador =
    CALCULATE(
        [Sales Amount],
        ALLSELECTED()
    )
RETURN
    DIVIDE(Numerador,Denominador)
```

```
% On All =
VAR Numerador = [Sales Amount]
Var Denominador =
    CALCULATE(
        [Sales Amount],
        ALLSELECTED('Product')
    )
RETURN
    DIVIDE(Numerador,Denominador)
```

Category	Sales Amount	% On All	% On Cat
⊟ **Audio**	**384.518,16**	**19,33 %**	**100,00 %**
Contoso	170.194,00	8,56 %	44,26 %
Northwind Traders	60.942,07	3,06 %	15,85 %
Wide World Importers	153.382,09	7,71 %	39,89 %
⊟ **Cell phones**	**1.604.610,26**	**80,67 %**	**100,00 %**
Contoso	480.791,19	24,17 %	29,96 %
The Phone Company	1.123.819,07	56,50 %	70,04 %
Total	**1.989.128,42**	**100,00 %**	**100,00 %**

Category
- ■ Audio
- ☐ Cameras and camcorders
- ■ Cell phones
- ☐ Computers
- ☐ Games and Toys
- ☐ Home Appliances
- ☐ Music, Movies and Audio Books
- ☐ TV and Video

5. % del Total General utilizando campos de distinta tabla

```
1  % del Total de Ventas =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          ALL('Product'),
6          ALL(Customer)
7      )
8  VAR Division =
9      DIVIDE([Ventas],VentasTotales)
10 RETURN
11     Division
```

```
1  % del Total de Ventas =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          ALL('Product'[Category]),
6          ALL(Customer[Continent])
7      )
8  VAR Division =
9      DIVIDE([Ventas],VentasTotales)
10 RETURN
11     Division
```

Category	Ventas	% del Total de Ventas
Audio	$384.518	1,26 %
Asia	$110.501	0,36 %
Europe	$132.736	0,43 %
North America	$141.281	0,46 %
Cameras and camcorders	$7.192.582	23,51 %
Asia	$2.288.813	7,48 %
Europe	$2.182.340	7,13 %
North America	$2.721.429	8,90 %
Cell phones	$1.604.610	5,25 %
Asia	$557.888	1,82 %
Europe	$507.814	1,66 %
North America	$538.908	1,76 %
Computers	$6.741.549	22,04 %
Asia	$2.579.352	8,43 %
Europe	$1.880.544	6,15 %
North America	$2.281.653	7,46 %
Games and Toys	$360.653	1,18 %
Asia	$133.116	0,44 %
Europe	$111.336	0,36 %
North America	$116.200	0,38 %
Home Appliances	$9.600.457	31,38 %
Asia	$3.647.209	11,92 %
Europe	$2.527.182	8,26 %
North America	$3.426.067	11,20 %
Music, Movies and Audio Books	$314.207	1,03 %
Asia	$104.485	0,34 %
Total	$30.591.344	100,00 %

6. % del Total del nivel de Jerarquía superior

```
1  Ventas =
2      SUMX(
3          Sales,
4          Sales[Quantity] * Sales[Net Price]
5      )
```

```
1  % del Total de Ventas =
2  VAR VentasTotales =
3      SUMX(
4          ALLSELECTED('Product'[Subcategory]),
5          [Ventas]
6      )
7  VAR Division =
8      DIVIDE([Ventas],VentasTotales)
9  RETURN
10     Division
```

```
1  % del Total de Ventas =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          ALLSELECTED('Product'[Subcategory])
6      )
7  VAR Division =
8      DIVIDE([Ventas],VentasTotales)
9  RETURN
10     Division
```

Category	Ventas	% del Total de Ventas
Audio	**$384.518**	**100,00 %**
Bluetooth Headphones	$124.451	32,37 %
MP4&MP3	$170.194	44,26 %
Recording Pen	$89.873	23,37 %
Cameras and camcorders	**$7.192.582**	**100,00 %**
Camcorders	$3.157.075	43,89 %
Cameras & Camcorders Accessories	$800.534	11,13 %
Digital Cameras	$784.936	10,91 %
Digital SLR Cameras	$2.450.037	34,06 %
Cell phones	**$1.604.610**	**100,00 %**
Cell phones Accessories	$274.049	17,08 %
Home & Office Phones	$92.927	5,79 %
Smart phones & PDAs	$708.949	44,18 %
Touch Screen Phones	$528.685	32,95 %
Computers	**$6.741.549**	**100,00 %**
Computers Accessories	$341.362	5,06 %
Desktops	$1.017.127	15,09 %
Laptops	$1.925.105	28,56 %
Monitors	$604.386	8,97 %
Printers, Scanners & Fax	$505.520	7,50 %
Projectors & Screens	$2.348.048	34,83 %
Games and Toys	**$360.653**	**100,00 %**
Boxed Games	$63.808	17,69 %
Download Games	$296.845	82,31 %
Home Appliances	**$9.600.457**	**100,00 %**
Air Conditioners	$712.452	7,42 %
Total	**$30.591.344**	**100,00 %**

170.194 / 384.518 = 0,4426

Ejemplo 1:

```
Perc =
DIVIDE (
    [# Customers],
    CALCULATE(
        [# Customers],
        ALLSELECTED(Customer)
    )
)
```

```
Perc =
DIVIDE (
    [# Customers],
    CALCULATE(
        [# Customers],
        ALLSELECTED()
    )
)
```

Continent	# Customers	Perc
⊞ Asia	2.157	19,54 %
⊞ Europe	3.847	34,84 %
⊟ North America	5.037	45,62 %
⊞ Canada	785	7,11 %
⊞ United States	4.252	38,51 %
Total	**11.041**	**100,00 %**

Country	# Customers	Perc
⊟ Canada	785	15,58 %
⊞ Alberta	7	0,14 %
⊞ British Columbia	777	15,43 %
⊞ Ontario	1	0,02 %
⊟ United States	4.252	84,42 %
⊞ Alabama	1	0,02 %
⊞ Alaska	1	0,02 %
⊞ Arizona	1	0,02 %
Total	**5.037**	**100,00 %**

```
Perc =
DIVIDE (
    [# Customers],
    CALCULATE(
        [# Customers],
        REMOVEFILTERS('Customer'),
        VALUES(Customer[Continent])
    )
)
```

Continent	# Customers	Perc
⊞ Asia	2.157	100,00 %
⊞ Europe	3.847	100,00 %
⊟ North America	5.037	100,00 %
⊞ Canada	785	15,58 %
⊞ United States	4.252	84,42 %
Total	**11.041**	**100,00 %**

Country	# Customers	Perc
⊟ Canada	785	15,58 %
⊞ Alberta	7	0,14 %
⊞ British Columbia	777	15,43 %
⊞ Ontario	1	0,02 %
⊟ United States	4.252	84,42 %
⊞ Alabama	1	0,02 %
⊞ Alaska	1	0,02 %
⊞ Arizona	1	0,02 %
Total	**5.037**	**100,00 %**

7. % del Total de la columna

Forma 1:

Category	2007	2008	2009	Total
Audio	$102.722	$105.363	$176.433	$384.518
Cameras and camcorders	$3.274.847	$2.184.190	$1.733.545	$7.192.582
Cell phones	$477.452	$462.713	$664.445	$1.604.610
Computers	$2.660.319	$2.066.342	$2.014.888	$6.741.549
Games and Toys	$89.860	$105.738	$165.055	$360.653
Home Appliances	$2.347.282	$3.962.572	$3.290.603	$9.600.457
Music, Movies and Audio Books	$87.874	$120.718	$105.614	$314.207
TV and Video	$2.269.590	$919.947	$1.203.232	$4.392.768
Total	**$11.309.946**	**$9.927.583**	**$9.353.815**	**$30.591.344**

```
1  % del Total de Ventas =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          ALL(Sales)
6      )
7  VAR Division =
8      DIVIDE([Ventas],VentasTotales)
9  RETURN
10     Division
```

Category	2007	2008	2009	Total
Audio	0,34 %	0,34 %	0,58 %	1,26 %
Cameras and camcorders	10,71 %	7,14 %	5,67 %	23,51 %
Cell phones	1,56 %	1,51 %	2,17 %	5,25 %
Computers	8,70 %	6,75 %	6,59 %	22,04 %
Games and Toys	0,29 %	0,35 %	0,54 %	1,18 %
Home Appliances	7,67 %	12,95 %	10,76 %	31,38 %
Music, Movies and Audio Books	0,29 %	0,39 %	0,35 %	1,03 %
TV and Video	7,42 %	3,01 %	3,93 %	14,36 %
Total	**36,97 %**	**32,45 %**	**30,58 %**	**100,00 %**

```
1  % del Total del año =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          VALUES('Date'[Year]),
6          ALLSELECTED()
7      )
8  VAR Division =
9      DIVIDE([Ventas],VentasTotales)
10 RETURN
11     Division
```

Category	2007	2008	2009	Total
Audio	0,91 %	1,06 %	1,89 %	1,26 %
Cameras and camcorders	28,96 %	22,00 %	18,53 %	23,51 %
Cell phones	4,22 %	4,66 %	7,10 %	5,25 %
Computers	23,52 %	20,81 %	21,54 %	22,04 %
Games and Toys	0,79 %	1,07 %	1,76 %	1,18 %
Home Appliances	20,75 %	39,91 %	35,18 %	31,38 %
Music, Movies and Audio Books	0,78 %	1,22 %	1,13 %	1,03 %
TV and Video	20,07 %	9,27 %	12,86 %	14,36 %
Total	**100,00 %**	**100,00 %**	**100,00 %**	**100,00 %**

```
1  % del Total del año =
2  VAR Numerador =
3      [Sales Amount]
4  VAR Denominador =
5      CALCULATE(
6          [Sales Amount],
7          VALUES('Date'[Calendar Year]),
8          ALL('Product')
9      )
10 VAR Division =
11     DIVIDE(Numerador,Denominador)
12 RETURN
13     Division
```

Category	CY 2007	CY 2008	CY 2009	Total
Audio	0,91 %	1,06 %	1,89 %	1,26 %
Cameras and camcorders	28,96 %	22,00 %	18,53 %	23,51 %
Cell phones	4,22 %	4,66 %	7,10 %	5,25 %
Computers	23,52 %	20,81 %	21,54 %	22,04 %
Games and Toys	0,79 %	1,07 %	1,76 %	1,18 %
Home Appliances	20,75 %	39,91 %	35,18 %	31,38 %
Music, Movies and Audio Books	0,78 %	1,22 %	1,13 %	1,03 %
TV and Video	20,07 %	9,27 %	12,86 %	14,36 %
Total	100,00 %	100,00 %	100,00 %	100,00 %

Forma 2:

```
1  %TotalColumna =
2  VAR Numerador =
3      SUM( Pedidos[Ingresos] )
4  VAR Denominador =
5      CALCULATE(
6          SUM( Pedidos[Ingresos] ) ;
7          REMOVEFILTERS( Pedidos ) ;
8          VALUES( Descuentos[Categoría de Descuento] )
9      )
10 VAR Part =
11     DIVIDE( Numerador ; Denominador )
12 RETURN
13     Part
```

SKU	Black Friday	Cyber Monday	Day Off	Full Non	Special Day	Total
B01	1,3 %	1,4 %	1,6 %	1,3 %	1,4 %	1,4 %
B02	0,7 %	0,9 %	0,9 %	0,8 %	1,0 %	0,8 %
B03	1,0 %	0,9 %	1,0 %	0,9 %	0,4 %	0,9 %
B04	1,2 %	0,6 %	0,8 %	1,0 %	1,7 %	0,9 %
B05	0,6 %	0,6 %	1,4 %	0,7 %	0,9 %	0,7 %
B06	1,6 %	1,3 %	1,2 %	1,3 %	1,5 %	1,3 %
C10	0,6 %	0,7 %	0,6 %	0,6 %	0,4 %	0,6 %
C11	0,8 %	0,8 %	1,4 %	0,9 %	0,7 %	0,9 %
C12	0,4 %	0,3 %	0,2 %	0,5 %	0,5 %	0,4 %
C13	0,6 %	0,5 %	0,3 %	0,6 %	0,4 %	0,5 %
C14	0,7 %	0,4 %	0,4 %	0,6 %	0,7 %	0,6 %
CB01	56,4 %	58,0 %	57,3 %	56,3 %	56,3 %	56,8 %
CC01	9,4 %	9,4 %	9,6 %	9,4 %	10,1 %	9,5 %
Total	100,0 %	100,0 %	100,0 %	100,0 %	100,0 %	100,0 %

8. % del Total de la fila

```
1  % del Total de la fila =
2  VAR VentasTotales =
3      CALCULATE(
4          [Ventas],
5          VALUES('Product'[Category]),
6          ALLSELECTED()
7      )
8  VAR Division =
9      DIVIDE([Ventas],VentasTotales)
10 RETURN
11     Division
```

Category	2007	2008	2009	Total
Audio	26,71 %	27,40 %	45,88 %	100,00 %
Cameras and camcorders	45,53 %	30,37 %	24,10 %	100,00 %
Cell phones	29,75 %	28,84 %	41,41 %	100,00 %
Computers	39,46 %	30,65 %	29,89 %	100,00 %
Games and Toys	24,92 %	29,32 %	45,77 %	100,00 %
Home Appliances	24,45 %	41,27 %	34,28 %	100,00 %
Music, Movies and Audio Books	27,97 %	38,42 %	33,61 %	100,00 %
TV and Video	51,67 %	20,94 %	27,39 %	100,00 %
Total	**36,97 %**	**32,45 %**	**30,58 %**	**100,00 %**

9. % Crecimiento de ventas

```
1  Ventas = SUM(Sales[Venta])
```

```
1  SAMEPERIODLASTYEAR = CALCULATE([Ventas], SAMEPERIODLASTYEAR(Calendario[Fecha]))
```

```
1  DATEADD = CALCULATE([Ventas],DATEADD(Calendario[Fecha], -1, YEAR))
```

```
1  % Crecimiento de ventas = DIVIDE([Ventas]-[SAMEPERIODLASTYEAR],[SAMEPERIODLASTYEAR])
```

```
1  % Crecimiento de ventas 2 = DIVIDE([Ventas]-[DATEADD],[DATEADD])
```

Año	Ventas	SAMEPERIODLASTYEAR	DATEADD	% Crecimiento de ventas	% Crecimiento de ventas 2
2018	61.369.273,84				
Enero	4.978.045,60				
Febrero	4.750.587,96				
Marzo	5.370.954,02				
Abril	5.478.804,76				
Mayo	5.353.375,70				
Junio	5.105.915,94				
Julio	5.578.193,39				
Agosto	4.752.054,84				
Septiembre	5.031.587,99				
Octubre	5.172.856,63				
Noviembre	4.845.254,87				
Diciembre	4.951.642,17				
2019	62.141.820,26	61.369.273,84	61.369.273,84	1,26 %	1,26 %
Enero	5.186.088,67	4.978.045,60	4.978.045,60	4,18 %	4,18 %
Febrero	4.260.548,39	4.750.587,96	4.750.587,96	-10,32 %	-10,32 %
Marzo	5.769.164,25	5.370.954,02	5.370.954,02	7,41 %	7,41 %
Abril	6.302.136,29	5.478.804,76	5.478.804,76	15,03 %	15,03 %
Mayo	5.457.276,10	5.353.375,70	5.353.375,70	1,94 %	1,94 %
Junio	4.881.728,79	5.105.915,93	5.105.915,93	-4,39 %	-4,39 %
Julio	5.917.724,44	5.578.193,39	5.578.193,39	6,09 %	6,09 %
Agosto	4.793.828,87	4.752.054,84	4.752.054,84	0,88 %	0,88 %
Septiembre	5.035.807,02	5.031.587,99	5.031.587,99	0,08 %	0,08 %
Octubre	5.243.201,27	5.172.856,63	5.172.856,63	1,36 %	1,36 %
Noviembre	4.816.102,34	4.845.254,87	4.845.254,87	-0,60 %	-0,60 %
Diciembre	4.478.213,84	4.951.642,17	4.951.642,17	-9,56 %	-9,56 %
2020		62.141.820,26	62.141.820,26	-100,00 %	-100,00 %
Enero		5.186.088,67	5.186.088,67	-100,00 %	-100,00 %
Febrero		4.260.548,39	4.260.548,39	-100,00 %	-100,00 %
Marzo		5.769.164,25	5.769.164,25	-100,00 %	-100,00 %
Abril		6.302.136,29	6.302.136,29	-100,00 %	-100,00 %
Mayo		5.457.276,10	5.457.276,10	-100,00 %	-100,00 %
Junio		4.881.728,79	4.881.728,79	-100,00 %	-100,00 %
Julio		5.917.724,44	5.917.724,44	-100,00 %	-100,00 %
Total	123.511.094,10	123.511.094,10	123.511.094,10	-0,00 %	-0,00 %

Ejemplo 1

```
1  Medida =
2  VAR Uno =
3      CALCULATE(
4          [Sales Amount],
5          SAMEPERIODLASTYEAR('Date'[Date])
6      )
7  VAR Dos =
8      DIVIDE(
9          [Sales Amount]-Uno,
10         Uno
11     )
12 RETURN
13     Dos
```

Calendar Year Number	Sales Amount	Medida
December	921.709,14	-7,04 %
2009	**9.353.814,87**	**-5,78 %**
January	580.901,05	-11,55 %
February	622.581,14	3,75 %
March	496.137,87	-11,33 %
April	678.893,22	-32,09 %
May	1.067.165,23	19,47 %
June	872.586,20	3,25 %
July	1.068.396,58	19,97 %
August	835.707,46	15,82 %
September	709.610,40	-26,35 %
October	806.738,22	12,08 %
November	868.164,01	-24,91 %
December	746.933,50	-18,96 %
2010		**-100,00 %**
January		-100,00 %
February		-100,00 %
March		-100,00 %
April		-100,00 %
May		-100,00 %
June		-100,00 %
July		-100,00 %
August		-100,00 %
September		-100,00 %
Total	**30.591.343,98**	**0,00 %**

Para aquellos meses donde no existe venta se genera un porcentaje erróneo. Para ocultarlo necesitamos modificar el código.

```
1  Medida =
2  VAR Uno =
3      CALCULATE(
4          [Sales Amount],
5          SAMEPERIODLASTYEAR('Date'[Date])
6      )
7  VAR Dos =
8      IF(
9          [Sales Amount] = BLANK(),
10         BLANK(),
11         DIVIDE(
12             [Sales Amount]-Uno,
13             Uno
14         )
15     )
16 RETURN
17     Dos
```

```
1  % Crecimiento de ventas =
2  VAR Uno =
3      CALCULATE(
4          [Sales Amount],
5          SAMEPERIODLASTYEAR('Date'[Date])
6      )
7  VAR Dos =
8      IF(
9          ISBLANK([Sales Amount]),
10         BLANK(),
11         DIVIDE(
12             [Sales Amount]-Uno,
13             Uno
14         )
15     )
16 RETURN
17     Dos
```

Calendar Year Number	Sales Amount	Medida
January		
February	600.080,00	-32,66 %
March	559.538,52	-41,79 %
April	999.667,17	-11,39 %
May	893.231,96	-4,59 %
June	845.141,60	-13,96 %
July	890.547,41	-3,47 %
August	721.560,95	-24,27 %
September	963.437,23	-4,60 %
October	719.792,99	-21,27 %
November	1.156.109,32	40,03 %
December	921.709,14	-7,04 %
2009	**9.353.814,87**	**-5,78 %**
January	580.901,05	-11,55 %
February	622.581,14	3,75 %
March	496.137,87	-11,33 %
April	678.893,22	-32,09 %
May	1.067.165,23	19,47 %
June	872.586,20	3,25 %
July	1.068.396,58	19,97 %
August	835.707,46	15,82 %
September	709.610,40	-26,35 %
October	806.738,22	12,08 %
November	868.164,01	-24,91 %
December	746.933,50	-18,96 %
Total	**30.591.343,98**	**0,00 %**

Ejemplo 2

```
1  Evaluación =
2  VAR PorcentajeCrecimiento = [% Crecimiento de ventas]
3  VAR Calculo =
4      IF(PorcentajeCrecimiento < 0,
5          "Decrecimiento",
6          IF(
7              PorcentajeCrecimiento > 0,
8              "Crecimiento",
9              BLANK()
10         )
11     )
12 RETURN
13     Calculo
```

Si no quisiéramos ver la EVALUACIÓN en el contexto del AÑO existe la posibilidad de ocultarlo.

Calendar Year Number	Sales Amount	% Crecimiento de ventas	Evaluación
December	991.548,75		
2008	9.927.582,99	-12,22 %	Decrecimiento
January	656.766,69	-17,31 %	Decrecimiento
February	600.080,00	-32,66 %	Decrecimiento
March	559.538,52	-41,79 %	Decrecimiento
April	999.667,17	-11,39 %	Decrecimiento
May	893.231,96	-4,59 %	Decrecimiento
June	845.141,60	-13,96 %	Decrecimiento
July	890.547,41	-3,47 %	Decrecimiento
August	721.560,95	-24,27 %	Decrecimiento
September	963.437,23	-4,60 %	Decrecimiento
October	719.792,99	-21,27 %	Decrecimiento
November	1.156.109,32	40,03 %	Crecimiento
December	921.709,14	-7,04 %	Decrecimiento
2009	9.353.814,87	-5,78 %	Decrecimiento
January	580.901,05	-11,55 %	Decrecimiento
February	622.581,14	3,75 %	Crecimiento
March	496.137,87	-11,33 %	Decrecimiento
April	678.893,22	-32,09 %	Decrecimiento
May	1.067.165,23	19,47 %	Crecimiento
June	872.586,20	3,25 %	Crecimiento
July	1.068.396,58	19,97 %	Crecimiento
August	835.707,46	15,82 %	Crecimiento
September	709.610,40	-26,35 %	Decrecimiento
October	806.738,22	12,08 %	Crecimiento
Total	30.591.343,98	0,00 %	

```
1  Evaluación =
2  VAR PorcentajeCrecimiento = [% Crecimiento de ventas]
3  VAR Calculo =
4      IF(
5          HASONEVALUE('Date'[Month]),
6          IF(
7              PorcentajeCrecimiento < 0,
8              "Decrecimiento",
9                  IF(
10                     PorcentajeCrecimiento > 0,
11                     "Crecimiento",
12                     BLANK()
13                 )
14         ),
15         BLANK()
16     )
17 RETURN
18     Calculo
```

Calendar Year Number	Sales Amount	% Crecimiento de ventas	Evaluación
2008	9.927.582,99	-12,22 %	
January	656.766,69	-17,31 %	Decrecimiento
February	600.080,00	-32,66 %	Decrecimiento
March	559.538,52	-41,79 %	Decrecimiento
April	999.667,17	-11,39 %	Decrecimiento
May	893.231,96	-4,59 %	Decrecimiento
June	845.141,60	-13,96 %	Decrecimiento
July	890.547,41	-3,47 %	Decrecimiento
August	721.560,95	-24,27 %	Decrecimiento
September	963.437,23	-4,60 %	Decrecimiento
October	719.792,99	-21,27 %	Decrecimiento
November	1.156.109,32	40,03 %	Crecimiento
December	921.709,14	-7,04 %	Decrecimiento
2009	9.353.814,87	-5,78 %	
January	580.901,05	-11,55 %	Decrecimiento
February	622.581,14	3,75 %	Crecimiento
March	496.137,87	-11,33 %	Decrecimiento
April	678.893,22	-32,09 %	Decrecimiento
May	1.067.165,23	19,47 %	Crecimiento
June	872.586,20	3,25 %	Crecimiento
July	1.068.396,58	19,97 %	Crecimiento
August	835.707,46	15,82 %	Crecimiento
September	709.610,40	-26,35 %	Decrecimiento
October	806.738,22	12,08 %	Crecimiento
Total	30.591.343,98	0,00 %	

10. ISINSCOPE
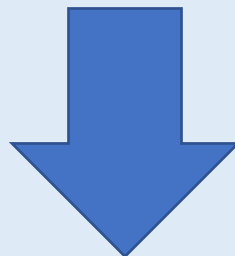
```
PercOnTotal =
DIVIDE (
    [Sales Amount],
    CALCULATE (
        [Sales Amount],
        ALLSELECTED ( Product[Category] )
    )
)
```

```
PercOnCategory =
DIVIDE (
    [Sales Amount],
    CALCULATE (
        [Sales Amount],
        ALLSELECTED ( Product[Subcategory] )
    )
)
```

```
PercOnSubcategory =
DIVIDE (
    [Sales Amount],
    CALCULATE (
        [Sales Amount],
        ALLSELECTED ( Product[Product Name] )
    )
)
```

Category	Sales Amount	PercOnTotal	PercOnCategory	PercOnSubcategory
Audio	**21.544,69**	**2,60 %**	**100,00 %**	**100,00 %**
Bluetooth Headphones	**4.444,69**	**100,00 %**	**20,63 %**	**100,00 %**
NT Bluetooth Stereo Headphones E52 Pink	904,29	100,00 %	100,00 %	20,35 %
NT Wireless Bluetooth Stereo Headphones E302 Pink	324,40	100,00 %	100,00 %	7,30 %
WWI Wireless Bluetooth Stereo Headphones M170 Pink	1.560,00	100,00 %	100,00 %	35,10 %
WWI Wireless Bluetooth Stereo Headphones M270 Pink	1.656,00	100,00 %	100,00 %	37,26 %
MP4&MP3	**5.846,40**	**100,00 %**	**27,14 %**	**100,00 %**
Contoso 16GB New Generation MP5 Player M1650 Pink	5.846,40	100,00 %	100,00 %	100,00 %
Recording Pen	**11.253,60**	**100,00 %**	**52,23 %**	**100,00 %**
WWI 1GB Digital Voice Recorder Pen E100 Pink	2.995,20	100,00 %	100,00 %	26,62 %
WWI 4GB Video Recording Pen X200 Pink	8.258,40	100,00 %	100,00 %	73,38 %
Cameras and camcorders	**364.444,58**	**43,98 %**	**100,00 %**	**100,00 %**
Cameras & Camcorders Accessories	**3.940,47**	**100,00 %**	**1,08 %**	**100,00 %**
Contoso Carrying Case E312 Pink	1.351,42	100,00 %	100,00 %	34,30 %
Contoso Conversion Lens M550 Pink	184,50	100,00 %	100,00 %	4,68 %
Contoso Cyber Shot Digital Cameras Adapter E306 Pink	1.937,52	100,00 %	100,00 %	49,17 %
Contoso Lens Cap Keeper E314 Pink	467,04	100,00 %	100,00 %	11,85 %
Digital Cameras	**166.382,06**	**100,00 %**	**45,65 %**	**100,00 %**
A. Datum Advanced Digital Camera M300 Pink	9.660,63	100,00 %	100,00 %	5,81 %
A. Datum All in One Digital Camera M200 Pink	7.333,88	100,00 %	100,00 %	4,41 %
A. Datum Bridge Digital Camera M300 Pink	7.915,22	100,00 %	100,00 %	4,76 %
A. Datum Consumer Digital Camera E100 Pink	14.415,30	100,00 %	100,00 %	8,66 %
Total	**828.638,54**	**100,00 %**	**100,00 %**	**100,00 %**

Color
- [ ] Azure
- [ ] Black
- [ ] Blue
- [ ] Brown
- [ ] Gold
- [ ] Green
- [ ] Grey
- [ ] Orange
- [x] Pink
- [ ] Purple
- [ ] Red
- [ ] Silver
- [ ] Silver Grey
- [ ] Transparent
- [ ] White
- [ ] Yellow

```
PercOnSubcategory =
IF (
    ISINSCOPE ( Product[Product Name] ),
    DIVIDE (
        [Sales Amount],
        CALCULATE (
            [Sales Amount],
            ALLSELECTED ( Product[Product Name] )
        )
    )
)
```

Category	Sales Amount	PercOnTotal	PercOnCategory	PercOnSubcategory
Audio	**21.544,69**	**2,60 %**	**100,00 %**	
Bluetooth Headphones	**4.444,69**	**100,00 %**	**20,63 %**	
NT Bluetooth Stereo Headphones E52 Pink	904,29	100,00 %	100,00 %	20,35 %
NT Wireless Bluetooth Stereo Headphones E302 Pink	324,40	100,00 %	100,00 %	7,30 %
WWI Wireless Bluetooth Stereo Headphones M170 Pink	1.560,00	100,00 %	100,00 %	35,10 %
WWI Wireless Bluetooth Stereo Headphones M270 Pink	1.656,00	100,00 %	100,00 %	37,26 %
MP4&MP3	**5.846,40**	**100,00 %**	**27,14 %**	
Contoso 16GB New Generation MP5 Player M1650 Pink	5.846,40	100,00 %	100,00 %	100,00 %
Recording Pen	**11.253,60**	**100,00 %**	**52,23 %**	
WWI 1GB Digital Voice Recorder Pen E100 Pink	2.995,20	100,00 %	100,00 %	26,62 %
WWI 4GB Video Recording Pen X200 Pink	8.258,40	100,00 %	100,00 %	73,38 %
Cameras and camcorders	**364.444,58**	**43,98 %**	**100,00 %**	
Cameras & Camcorders Accessories	**3.940,47**	**100,00 %**	**1,08 %**	
Contoso Carrying Case E312 Pink	1.351,42	100,00 %	100,00 %	34,30 %
Contoso Conversion Lens M550 Pink	184,50	100,00 %	100,00 %	4,68 %
Contoso Cyber Shot Digital Cameras Adapter E306 Pink	1.937,52	100,00 %	100,00 %	49,17 %
Contoso Lens Cap Keeper E314 Pink	467,04	100,00 %	100,00 %	11,85 %
Digital Cameras	**166.382,06**	**100,00 %**	**45,65 %**	
A. Datum Advanced Digital Camera M300 Pink	9.660,63	100,00 %	100,00 %	5,81 %
A. Datum All in One Digital Camera M200 Pink	7.333,88	100,00 %	100,00 %	4,41 %
A. Datum Bridge Digital Camera M300 Pink	7.915,22	100,00 %	100,00 %	4,76 %
A. Datum Consumer Digital Camera E100 Pink	14.415,30	100,00 %	100,00 %	8,66 %
Total	**828.638,54**	**100,00 %**	**100,00 %**	

Color
- ☐ Azure
- ☐ Black
- ☐ Blue
- ☐ Brown
- ☐ Gold
- ☐ Green
- ☐ Grey
- ☐ Orange
- ☑ Pink
- ☐ Purple
- ☐ Red
- ☐ Silver
- ☐ Silver Grey
- ☐ Transparent
- ☐ White
- ☐ Yellow
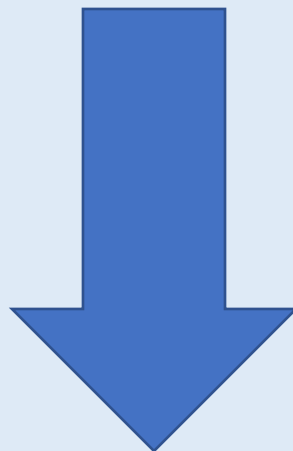
```
1  PercOnParent =
2  VAR CurrentSales = [Sales Amount]
3  VAR SubcategorySales =
4      CALCULATE (
5          [Sales Amount],
6          ALLSELECTED ( Product[Product Name] )
7      )
8  VAR CategorySales =
9      CALCULATE (
10         [Sales Amount],
11         ALLSELECTED ( Product[Subcategory] )
12     )
13 VAR TotalSales =
14     CALCULATE (
15         [Sales Amount],
16         ALLSELECTED ( Product[Category] )
17     )
18 VAR RatioToParent =
19 IF (
20     ISFILTERED ( Product[Product Name] ),
21     DIVIDE ( CurrentSales, SubcategorySales ),
22     IF (
23         ISFILTERED ( Product[Subcategory] ),
24         DIVIDE ( CurrentSales, CategorySales ),
25         IF (
26             ISFILTERED ( Product[Category] ),
27             DIVIDE ( CurrentSales, TotalSales )
28         )
29     )
30 )
31 RETURN RatioToParent
```

Category	Sales Amount	PercOnParent
Audio	**21.544,69**	**2,60 %**
Bluetooth Headphones	**4.444,69**	**20,63 %**
NT Bluetooth Stereo Headphones E52 Pink	904,29	20,35 %
NT Wireless Bluetooth Stereo Headphones E302 Pink	324,40	7,30 %
WWI Wireless Bluetooth Stereo Headphones M170 Pink	1.560,00	35,10 %
WWI Wireless Bluetooth Stereo Headphones M270 Pink	1.656,00	37,26 %
MP4&MP3	**5.846,40**	**27,14 %**
Contoso 16GB New Generation MP5 Player M1650 Pink	5.846,40	100,00 %
Recording Pen	**11.253,60**	**52,23 %**
WWI 1GB Digital Voice Recorder Pen E100 Pink	2.995,20	26,62 %
WWI 4GB Video Recording Pen X200 Pink	8.258,40	73,38 %
Cameras and camcorders	**364.444,58**	**43,98 %**
Cameras & Camcorders Accessories	**3.940,47**	**1,08 %**
Contoso Carrying Case E312 Pink	1.351,42	34,30 %
Contoso Conversion Lens M550 Pink	184,50	4,68 %
Contoso Cyber Shot Digital Cameras Adapter E306 Pink	1.937,52	49,17 %
Contoso Lens Cap Keeper E314 Pink	467,04	11,85 %
Digital Cameras	**166.382,06**	**45,65 %**
A. Datum Advanced Digital Camera M300 Pink	9.660,63	5,81 %
A. Datum All in One Digital Camera M200 Pink	7.333,88	4,41 %
A. Datum Bridge Digital Camera M300 Pink	7.915,22	4,76 %
A. Datum Consumer Digital Camera E100 Pink	14.415,30	8,66 %
Total	**828.638,54**	

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