

Sunpath Diagram for **First** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	16	=	16
2	X	12	=	24
3	X	4	=	12
4	X	6	=	24
5	X	10	=	50
6	X	8	=	48
7	X	3	=	21
8	X		=	
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 195 = \mathbf{1005}$$

$$(\mathbf{1005} / 1200) \times 100 = \mathbf{84\%}$$

Sum total of Sunpath diagram shaded numbers: 195

Percentage of sunlight available for the year at this location: 84%

Sunpath Diagram for **Second Street**

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	19	=	19
2	X	19	=	38
3	X	7	=	21
4	X	2	=	8
5	X	3	=	15
6	X	3	=	18
7	X	3	=	21
8	X	3	=	24
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 164 = \mathbf{1036}$$

$$(\mathbf{1036} / 1200) \times 100 = \mathbf{86\%}$$

Sum total of Sunpath diagram shaded numbers: 164

Percentage of sunlight available for the year at this location: 86%

Sunpath Diagram for **Third** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	13	=	13
2	X		=	
3	X		=	
4	X		=	
5	X	8	=	40
6	X	11	=	66
7	X	7	=	49
8	X		=	
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 168 = \mathbf{1032}$$

$$(\mathbf{1032} / 1200) \times 100 = \mathbf{86\%}$$

Sum total of Sunpath diagram shaded numbers: 168

Percentage of sunlight available for the year at this location: 86%

Sunpath Diagram for **Fourth** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	13	=	13
2	X	3	=	6
3	X		=	
4	X		=	
5	X		=	
6	X		=	
7	X		=	
8	X	1	=	8
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 27 = \mathbf{1173}$$

$$(\mathbf{1173} / 1200) \times 100 = \mathbf{98\%}$$

Sum total of Sunpath diagram shaded numbers: 27

Percentage of sunlight available for the year at this location: 98%

Sunpath Diagram for **Fifth** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	31	=	31
2	X	18	=	36
3	X	8	=	24
4	X	8	=	32
5	X	8	=	40
6	X	8	=	48
7	X	5	=	35
8	X	3	=	24
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 270 = \mathbf{930}$$

$$(\mathbf{930} / 1200) \times 100 = \mathbf{78\%}$$

Sum total of Sunpath diagram shaded numbers: 270

Percentage of sunlight available for the year at this location: 78%

Sunpath Diagram for **Sixth** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X		=	
2	X		=	
3	X		=	
4	X		=	
5	X	3	=	15
6	X	3	=	18
7	X	5	=	35
8	X	7	=	56
9	X	7	=	63

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 187 = \mathbf{1013}$$

$$(\mathbf{1013} / 1200) \times 100 = \mathbf{84\%}$$

Sum total of Sunpath diagram shaded numbers: 187

Percentage of sunlight available for the year at this location: 84%

Sunpath Diagram for **Seventh** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	3	=	3
2	X	3	=	6
3	X	1	=	3
4	X	2	=	8
5	X	3	=	15
6	X	4	=	24
7	X	13	=	91
8	X	2	=	16
9	X	1	=	9

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 175 = \mathbf{1025}$$

$$(\mathbf{1025} / 1200) \times 100 = \mathbf{85\%}$$

Sum total of Sunpath diagram shaded numbers: 175

Percentage of sunlight available for the year at this location: 85%

Sunpath Diagram for **Eighth** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	1	=	1
2	X		=	
3	X		=	
4	X		=	
5	X		=	
6	X		=	
7	X	2	=	14
8	X	7	=	56
9	X	8	=	72

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 143 = \mathbf{1057}$$

$$(\mathbf{1025} / 1200) \times 100 = \mathbf{88\%}$$

Sum total of Sunpath diagram shaded numbers: 143

Percentage of sunlight available for the year at this location: 88%

Sunpath Diagram for **Ninth** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	8	=	8
2	X	8	=	16
3	X	3	=	9
4	X	4	=	16
5	X	5	=	25
6	X	7	=	42
7	X		=	
8	X		=	
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 116 = \mathbf{1084}$$

$$(\mathbf{1084} / 1200) \times 100 = \mathbf{90\%}$$

Sum total of Sunpath diagram shaded numbers: 116

Percentage of sunlight available for the year at this location: 90%

Sunpath Diagram for **Tenth** Street

Percentage of sunlight available number from Sunpath diagram	Times	Number of these numbers located in shade from the Sunpath diagram	Equals	Total
1	X	24	=	24
2	X	13	=	26
3	X	1	=	3
4	X	1	=	5
5	X		=	
6	X		=	
7	X		=	
8	X		=	
9	X		=	

Calculate the percentage of sunlight available for the year at this location in the space below. Show your math work in detail.

$$1200 - 58 = \mathbf{1142}$$

$$(\mathbf{1142} / 1200) \times 100 = \mathbf{96\%}$$

Sum total of Sunpath diagram shaded numbers: 58

Percentage of sunlight available for the year at this location: 96%