**SUPPLEMENT FOR TABLES**

**Table 1.** Theoretical relationship between sunscreen SPF numbers and fraction of sunlight unfiltered (F) and the equivalent UV Index reaching the skin (Skin UV Index) when the skin is exposed to a UV Index 10 sunlight.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPF #** | **2** | **3** | **4** | **6** | **8** | **10** | **15** | **30** | **50** | **100** |
| **F** | 0.50 | 0.33 | 0.25 | 0.17 | 0.125 | 0.10 | 0.069 | 0.033 | 0.02 | 0.01 |
| **Skin UV Index** | 5.0 | 3.3 | 2.5 | 1.7 | 1.25 | 1.0 | 0.69 | 0.33 | 0.20 | 0.10 |

**Table 2.**  Theoretical relationship between sunscreen SPF numbers and Effective SPF number when only 50% of sunscreen is applied and the fraction of light unfiltered (F) and Skin UV Index when the skin is exposed to a UV Index 10 sunlight.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPF #** | **2** | **3** | **4** | **6** | **8** | **10** | **15** | **30** | **50** | **100** |
| **Effective SPF** | 1.4 | 1.7 | 2.0 | 2.5 | 2.8 | 3.2 | 3.9 | 5.5 | 7.1 | 10 |
| **F** | 0.71 | 0.59 | 0.50 | 0.40 | 0.36 | 0.31 | 0.26 | 0.18 | 0.14 | 0.10 |
| **Skin UV Index** | 7.1 | 5.9 | 5.0 | 4.0 | 3.6 | 3.1 | 2.6 | 1.8 | 1.4 | 1.0 |

**Table 3.**  Theoretical relationship between sunscreen SPF numbers and Effective SPF number when only 25% of sunscreen is applied and the fraction of light unfiltered (F) and Skin UV Index when the skin is exposed to a UV Index 10 sunlight.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SPF #** | **2** | **3** | **4** | **6** | **8** | **10** | **15** | **30** | **50** | **100** |
| **Effective SPF** | 1.2 | 1.3 | 1.4 | 1.6 | 1.7 | 1.8 | 2.0 | 2.4 | 2.7 | 3.2 |
| **F** | 0.83 | 0.77 | 0.71 | 0.63 | 0.59 | 0.56 | 0.50 | 0.42 | 0.37 | 0.31 |
| **Skin UV Index** | 8.3 | 7.7 | 7.1 | 6.3 | 5.9 | 5.6 | 5.0 | 4.2 | 3.7 | 3.1 |