



DEVELOPING TIME vs TEMPERATURE CONVERSION TABLE

| | TEMPERATURE | | | | | | | |
|-------|-------------|-------|-------|-------|-------|-------|-------|------|
| | 18°C | 19°C | 20°C | 21°C | 22°C | 24°C | 25°C | 27°C |
| | 64°F | 66°F | 68°F | 70°F | 72°F | 75°F | 77°F | 80°F |
| 5.00 | 4.50 | 4.00 | - | - | - | - | - | - |
| 5.50 | 5.00 | 4.50 | 4.00 | - | - | - | - | - |
| 6.00 | 5.50 | 5.00 | 4.50 | 4.00 | - | - | - | - |
| 6.50 | 6.00 | 5.50 | 5.00 | 4.50 | - | - | - | - |
| 7.25 | 6.50 | 6.00 | 5.50 | 5.00 | 4.00 | - | - | - |
| 8.00 | 7.25 | 6.50 | 6.00 | 5.25 | 4.50 | 4.00 | - | - |
| 8.75 | 7.75 | 7.00 | 6.50 | 5.75 | 5.00 | 4.50 | - | - |
| 9.25 | 8.25 | 7.50 | 6.75 | 6.00 | 5.25 | 4.75 | 4.00 | - |
| 9.75 | 8.75 | 8.00 | 7.25 | 6.50 | 5.50 | 5.00 | 4.25 | - |
| 10.50 | 9.50 | 8.50 | 7.75 | 7 | 6.00 | 5.50 | 4.75 | - |
| 11.25 | 10.00 | 9.00 | 8.00 | 7.25 | 6.25 | 5.75 | 5.00 | - |
| 11.75 | 10.50 | 9.50 | 8.50 | 7.75 | 6.50 | 6.00 | 5.25 | - |
| 12.50 | 11.25 | 10.00 | 9.00 | 8.00 | 7.00 | 6.25 | 5.50 | - |
| 13.00 | 11.75 | 10.50 | 9.50 | 8.50 | 7.25 | 6.50 | 5.75 | - |
| 13.75 | 12.25 | 11.00 | 10.00 | 9.00 | 7.50 | 6.75 | 6.00 | - |
| 14.25 | 12.75 | 11.50 | 10.50 | 9.25 | 8.00 | 7.25 | 6.25 | - |
| 14.75 | 13.25 | 12.00 | 10.75 | 9.75 | 8.25 | 7.50 | 6.50 | - |
| 15.25 | 13.75 | 12.50 | 11.25 | 10.00 | 8.75 | 8.00 | 7.00 | - |
| 16.00 | 14.50 | 13.00 | 11.75 | 10.50 | 9.00 | 8.25 | 7.00 | - |
| 16.75 | 15.00 | 13.50 | 12.00 | 11.00 | 9.25 | 8.5 | 7.25 | - |
| 17.25 | 15.50 | 14.00 | 12.50 | 11.25 | 9.75 | 9.00 | 7.75 | - |
| 17.75 | 16.00 | 14.50 | 13.00 | 11.75 | 10.00 | 9.00 | 7.75 | - |
| 18.50 | 16.75 | 15.00 | 13.50 | 12.25 | 10.50 | 9.50 | 8.00 | - |
| 19.25 | 17.25 | 15.50 | 14.00 | 12.75 | 10.75 | 9.75 | 8.25 | - |
| 19.75 | 17.75 | 16.00 | 14.50 | 13.00 | 11.00 | 10.00 | 8.50 | - |
| 20.50 | 18.50 | 16.50 | 14.75 | 13.50 | 11.50 | 10.25 | 8.75 | - |
| 21.00 | 19.00 | 17.00 | 15.25 | 13.75 | 11.75 | 10.5 | 9.00 | - |
| 21.75 | 19.50 | 17.50 | 15.75 | 14.25 | 12.00 | 10.75 | 9.25 | - |
| 22.25 | 20.00 | 18.00 | 16.25 | 14.50 | 12.50 | 11.25 | 9.75 | - |
| 22.75 | 20.50 | 18.50 | 16.75 | 15.00 | 12.75 | 11.50 | 9.75 | - |
| 23.50 | 21.00 | 19.00 | 17.25 | 15.50 | 13.25 | 12.00 | 10.25 | - |
| 24.25 | 21.75 | 19.50 | 17.50 | 16.00 | 13.50 | 12.25 | 10.50 | - |
| 24.75 | 22.25 | 20.00 | 18.00 | 16.25 | 13.75 | 12.50 | 10.75 | - |
| 25.25 | 22.75 | 20.50 | 18.50 | 16.75 | 14.25 | 12.75 | 11.00 | - |
| 26.00 | 23.50 | 21.00 | 19.00 | 17.00 | 14.50 | 13.00 | 11.25 | - |
| 26.50 | 23.75 | 21.50 | 19.50 | 17.50 | 15.00 | 13.50 | 11.50 | - |
| 27.25 | 24.50 | 22.00 | 19.75 | 17.75 | 15.25 | 13.75 | 11.75 | - |
| 27.75 | 25.00 | 22.50 | 20.25 | 18.25 | 15.50 | 14.00 | 12.00 | - |
| 28.25 | 25.50 | 23.00 | 20.75 | 18.75 | 16.00 | 14.50 | 12.50 | - |
| 28.75 | 26.00 | 23.50 | 21.00 | 19.00 | 16.25 | 14.75 | 12.75 | - |
| 29.75 | 26.75 | 24.00 | 21.75 | 19.50 | 16.75 | 15.00 | 13.00 | - |
| 30.25 | 27.25 | 24.50 | 22.00 | 19.75 | 17.00 | 15.25 | 13.00 | - |
| 30.75 | 27.75 | 25.00 | 22.50 | 20.25 | 17.25 | 15.50 | 13.25 | - |

Instructions:

This table is referenced to 68°F/20°C.

1. Find the desired time @68°F/20°C
2. Look up the corrected time under the actual temperature.
3. Use of the Average temperature may yield the best results.

Example: If the recipe calls for 8 minutes at 68°F but your processing temperature is 72°F, the corrected time is 6.5 minutes.

Note:

Times are shown in decimal minutes (*not* minutes and seconds).

Processing times under 5 minutes are generally not recommended.

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