

Name: _____ Period: _____ Date: _____

Temperature Conversions Calculations (Key)

Calculate the temperature conversions using the formulas. Show your work on the side.

Formulas:

- degrees Fahrenheit $- 32 \times 5 \div 9 =$ degrees Celsius
- degrees Celsius $\times 9 \div 5 + 32 =$ degrees Fahrenheit

1. $50^{\circ}\text{F} = \underline{10}^{\circ}\text{C}$

2. $\underline{392}^{\circ}\text{F} = 200^{\circ}\text{C}$

3. $25^{\circ}\text{F} = \underline{-3.8889}^{\circ}\text{C}$

4. $\underline{293}^{\circ}\text{F} = 145^{\circ}\text{C}$

5. $223^{\circ}\text{F} = \underline{106.11}^{\circ}\text{C}$

6. $400^{\circ}\text{F} = \underline{204.444}^{\circ}\text{C}$

7. $\underline{167}^{\circ}\text{F} = 75^{\circ}\text{C}$

8. $\underline{302}^{\circ}\text{F} = 150^{\circ}\text{C}$

9. $115^{\circ}\text{F} = \underline{46.111}^{\circ}\text{C}$

10. $350^{\circ}\text{F} = \underline{176.667}^{\circ}\text{C}$