

Name: _____ Date: _____

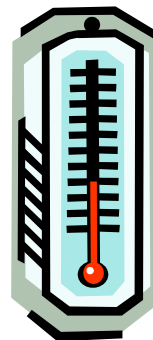
Temperature Conversion Worksheet

$$^{\circ}\text{C} = 5/9 \times (^{\circ}\text{F} - 32)$$

$$^{\circ}\text{F} = (9/5 ^{\circ}\text{C}) + 32$$

$$9/5 = 1.8 \text{ and } 5/9 \approx .55$$

Remember order of operations!!!



Questions

1. Convert the following numbers from degrees Fahrenheit ($^{\circ}\text{F}$) to degrees Celsius ($^{\circ}\text{C}$).

Example: 40 $^{\circ}$ F

$$40 - 32 = 8$$

$$8 \times 5/9 = \mathbf{4.4^{\circ} C}$$

- a. 0 $^{\circ}$ F _____ $^{\circ}\text{C}$
- b. 32 $^{\circ}$ F (freezing point) _____ $^{\circ}\text{C}$
- c. 70 $^{\circ}$ F (room temperature) _____ $^{\circ}\text{C}$
- d. 98.6 $^{\circ}$ F (body temperature) _____ $^{\circ}\text{C}$
- e. 100 $^{\circ}$ F _____ $^{\circ}\text{C}$
- f. 212 $^{\circ}$ F (boiling point) _____ $^{\circ}\text{C}$

2. Convert the following numbers from degrees Celsius to degrees Fahrenheit.

Example: 40 $^{\circ}$ C

$$40 \times (9/5) = 72$$

$$72 + 32 = \mathbf{104^{\circ} F}$$

- a. 0 $^{\circ}$ C (freezing point) _____ $^{\circ}\text{F}$
- b. 32 $^{\circ}\text{C}$ _____ $^{\circ}\text{F}$
- c. 70 $^{\circ}$ C _____ $^{\circ}\text{F}$
- d. 98.6 $^{\circ}$ C _____ $^{\circ}\text{F}$
- e. 100 $^{\circ}$ C (boiling point) _____ $^{\circ}\text{F}$
- f. 212 $^{\circ}$ C _____ $^{\circ}\text{F}$

Name: _____

Date: _____

1. 16 °C _____

16. 68°F _____

2. 114°F _____

17. 25°C _____

3. 19°C _____

18. 52°F _____

4. 99° F _____

19. 17°C _____

5. 16°F _____

20. 9°C _____

6. 24°C _____

21. 3°C _____

7. 28°C _____

22. 44°F _____

8. 43°C _____

23. 196°F _____

9. 80°F _____

24. 47°F _____

10. 94°F _____

25. 35°C _____

11. 73°F _____

26. 26°C _____

12. 6°C _____

27. 19°C _____

13. 41°C _____

28. 33°F _____

14. 35°F _____

29. 93°F _____

15. 117°F _____

30. 77°F _____