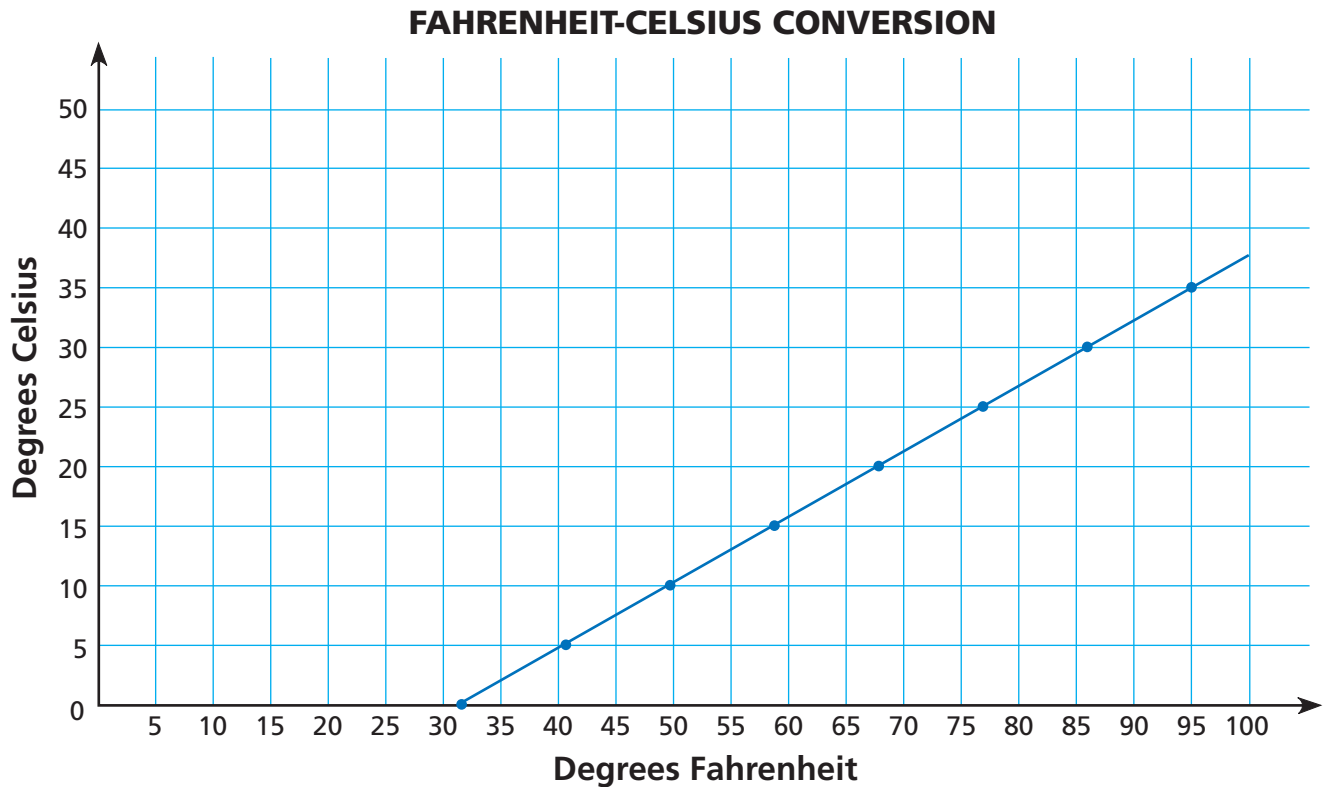


Graphing Temperature Conversions

NCTM Standards 1, 3, 7, 8, 9, 10



- 1 Complete the table.

°F		41	50	59	68	77		95	104
°C	0	5		15	20		30		

- 2 The temperature changed by 5°C . How many $^{\circ}\text{F}$ did it change by? _____

- 3 Mr. Hsung set his thermostat to 41°F while he was away on vacation.

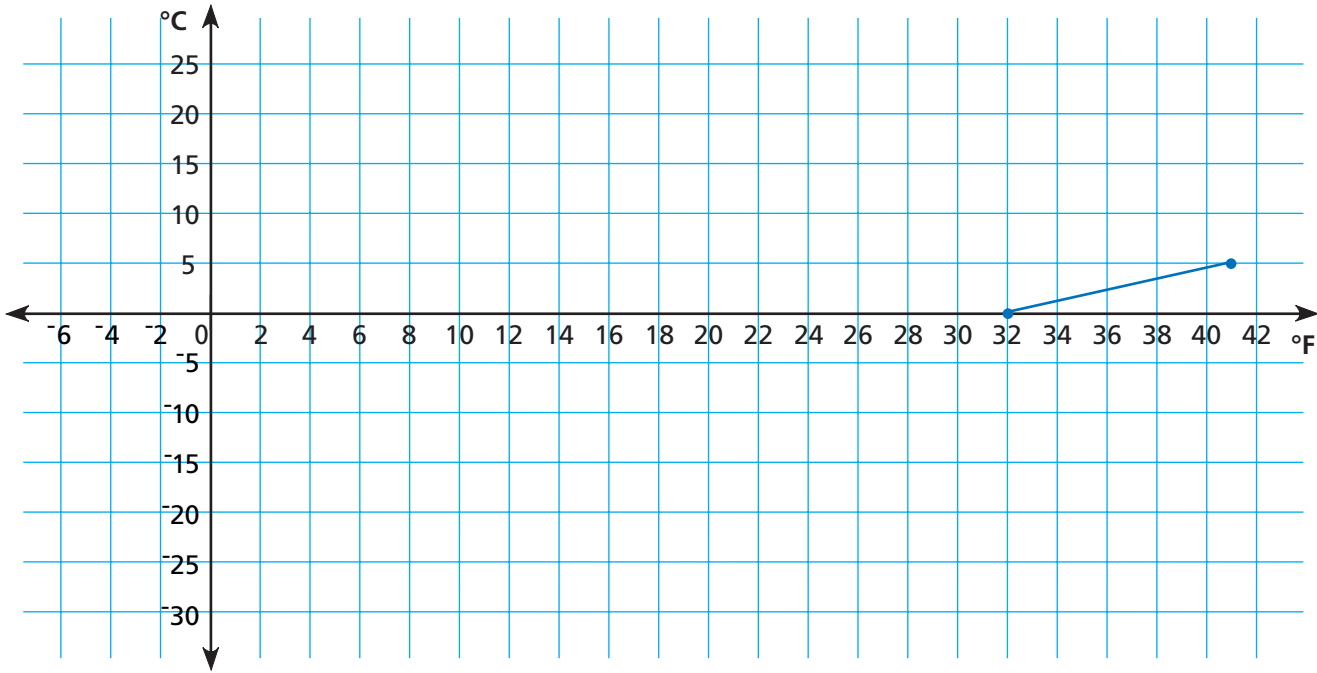
That is the same as _____ $^{\circ}\text{C}$. When he got home, he turned up the heat, and the temperature rose by 27°F , or _____ $^{\circ}\text{C}$.

What was the temperature in the house then? _____ $^{\circ}\text{F}$, or _____ $^{\circ}\text{C}$

- 4 Yesterday, it was 95°F outside! Today it is 77°F . It is _____ $^{\circ}\text{F}$ cooler today.

In Celsius, that is a change of _____ $^{\circ}\text{C}$ from yesterday.

FAHRENHEIT-CELSIUS CONVERSION



- 5 Complete the table and use it to add more points to the conversion graph.

°F		32			5	
°C	5		-5	-10		-20

- 6 It is cold today! At noon, the temperature was -10°C , or _____ $^{\circ}\text{F}$.

That is 10°C warmer than it was at 6:00 this morning.

What was the temperature at 6:00? _____ $^{\circ}\text{C}$ or _____ $^{\circ}\text{F}$.

- 7 About how many degrees Celsius is 0°F ? _____ $^{\circ}\text{C}$.



- 8 **Challenge** How did you estimate the answer to Problem 7?
