

1.2

#80. Jewelry Gold melts at about $1,947^{\circ}\text{F}$. The melting point of silver is 183°F lower. What is the melting point of silver?

Solution:

The melting point of silver = $1,947^{\circ}\text{F} - 183^{\circ}\text{F} = 1764^{\circ}\text{F}$

#82. Travel A student wants to make the 2,221-mile trip from Detroit to Seattle in three days. If she drives 751 miles on the first day and 875 miles on the second day, how far must she travel on the third day?

Solution:

$$\begin{aligned} 2,221 - (751 + 875) & \quad \text{OR} \quad 2,221 - 751 - 875 \\ = 2,221 - 1626 & \quad = 1470 - 875 \\ = 595 & \quad = 595 \end{aligned}$$

#84. Company budgets A department head prepared an annual budget with the line item shown on the right. Find the projected number of dollars to be spent.

Line item	Amount
Equipment	\$17,242
Utilities	\$5,443
Travel	\$2,775
Supplies	\$10,553
Development	\$3,225
Maintenance	\$1,075

$$\begin{aligned} & 17,242 + 5,443 + 2,775 + 10,553 + 3,225 + 1,075 \\ & = 22,685 + 2,775 + 10,553 + 3,225 + 1,075 \\ & = 25,460 + 10,553 + 3,225 + 1,075 \\ & = 36,013 + 3,225 + 1,075 \\ & = 39,238 + 1,075 \\ & = 40,313 \end{aligned}$$