

**Convert the temperatures to Celsius.**

$77^{\circ}\text{F} = \underline{\hspace{2cm}}^{\circ}\text{C}$

First take 32 from the temperature.

$77^{\circ} - 32 = 45^{\circ}$

Next multiply your answer by 5.

$45^{\circ} \times 5 = 225^{\circ}$

Finally divide the temperature by 9.

$225^{\circ} \div 9 = 25^{\circ}$

$77^{\circ}\text{F} = \underline{25}^{\circ}\text{C}$

1)  $59^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

2)  $149^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

3)  $113^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

4)  $140^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

5)  $86^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

6)  $158^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

7)  $50^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

8)  $212^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

9)  $194^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

10)  $167^{\circ}\text{F} = \underline{\hspace{1cm}}^{\circ}\text{C}$

**Answers**

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



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Finally divide the temperature by 9.

$225^\circ \div 9 = 25^\circ$

77°F = 25 °C

**Answers**

1) 59° F = 15 °C      $59 - 32 = 27$       $27 \times 5 = 135$       $135 \div 9 = 15$

2) 149° F = 65 °C      $149 - 32 = 117$       $117 \times 5 = 585$       $585 \div 9 = 65$

3) 113° F = 45 °C      $113 - 32 = 81$       $81 \times 5 = 405$       $405 \div 9 = 45$

4) 140° F = 60 °C      $140 - 32 = 108$       $108 \times 5 = 540$       $540 \div 9 = 60$

5) 86° F = 30 °C      $86 - 32 = 54$       $54 \times 5 = 270$       $270 \div 9 = 30$

6) 158° F = 70 °C      $158 - 32 = 126$       $126 \times 5 = 630$       $630 \div 9 = 70$

7) 50° F = 10 °C      $50 - 32 = 18$       $18 \times 5 = 90$       $90 \div 9 = 10$

8) 212° F = 100 °C      $212 - 32 = 180$       $180 \times 5 = 900$       $900 \div 9 = 100$

9) 194° F = 90 °C      $194 - 32 = 162$       $162 \times 5 = 810$       $810 \div 9 = 90$

10) 167° F = 75 °C      $167 - 32 = 135$       $135 \times 5 = 675$       $675 \div 9 = 75$

1. 15°
2. 65°
3. 45°
4. 60°
5. 30°
6. 70°
7. 10°
8. 100°
9. 90°
10. 75°