

LESSON

9-5

Problem Solving***Subtracting Integers***

Write the correct answer.

1. The average surface temperature on Earth is 59°F . The average surface temperature on Mars is 126°F lower than on Earth. What is the average surface temperature on Mars?

2. The average surface temperature on Saturn is 46°F colder than on Jupiter. Jupiter's average surface temperature is 162°F below zero. What is the average surface temperature on Saturn?

3. Venus has the hottest average surface temperature at 854°F . Mercury, the planet closest to the Sun, has an average surface temperature that is 522°F colder than Venus's. What is Mercury's average surface temperature?

4. Pluto, the planet farthest from the Sun, has an average surface temperature of 355°F below zero. Neptune, its closest neighbor, has the coldest average surface temperature. It is 10°F colder on Neptune than on Pluto. What is the average surface temperature on Neptune?

Circle the letter of the correct answer.

5. Which of the following is the difference between 247°F below zero and 221°F above zero?
A -26°F
B 129°F
C -468°F
D 468°F
6. Which of the following is the difference between 806°C above zero and 328°C below zero?
F $1,134^{\circ}\text{C}$
G 478°C
H -478°C
J $-1,134^{\circ}\text{C}$
7. Which of the following is the difference between -40°C and -30°C ?
A -10°C
B 708°C
C -120°C
D -1°C
8. Which of the following is the difference between $8,700^{\circ}\text{F}$ and -344°F ?
F $8,356^{\circ}\text{F}$
G 900°F
H -9°F
J $9,044^{\circ}\text{F}$