

**Integers**

Sheet 1

- 1) In an online practice test, Sam scores 18 points for the questions he answered correctly and gets  $-3$  points for incorrect answers. How many points did Sam score?  
\_\_\_\_\_
  
- 2) The average temperature of New York in the month of July is  $76^{\circ}\text{F}$  and in the month of January is  $35^{\circ}\text{F}$ . What is the difference in temperature between the two months?  
\_\_\_\_\_
  
- 3) The melting point of hydrogen is  $-259^{\circ}\text{C}$ . The melting point of oxygen is  $-219^{\circ}\text{C}$ . How much more is the melting point of oxygen than the melting point of hydrogen?  
\_\_\_\_\_
  
- 4) The Roman Empire began in 31 B.C. and fell to the Goths in A.D. 476. How long did the Roman civilization last?  
\_\_\_\_\_
  
- 5) Sara burnt 300 calories working out on the treadmill. Later she indulged in a pizza that had a calorie count of 400. Did she gain or lose calories?  
\_\_\_\_\_

**Answer key****Integers**

Sheet 1

- 1) In an online practice test, Sam scores 18 points for the questions he answered correctly and gets  $-3$  points for incorrect answers. How many points did Sam score?

**15 points**

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- 2) The average temperature of New York in the month of July is  $76^{\circ}\text{F}$  and in the month of January is  $35^{\circ}\text{F}$ . What is the difference in temperature between the two months?

**$41^{\circ}\text{F}$**

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- 3) The melting point of hydrogen is  $-259^{\circ}\text{C}$ . The melting point of oxygen is  $-219^{\circ}\text{C}$ . How much more is the melting point of oxygen than the melting point of hydrogen?

**$40^{\circ}\text{C}$**

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- 4) The Roman Empire began in 31 B.C. and fell to the Goths in A.D. 476. How long did the Roman civilization last?

**507 years**

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- 5) Sara burnt 300 calories working out on the treadmill. Later she indulged in a pizza that had a calorie count of 400. Did she gain or lose calories?

**100 calories gain**

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## Integers

Sheet 2

- 1) Blake gets into the elevator on the second floor of a shopping mall. He goes up 9 floors to reach the bookstore. An hour later, he moves down 3 floors to grab a bite. Which floor is he on now?

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- 2) The price of refined sugar per pound in August, 1982 was 33 cents. In August, 2011, it was 48 cents. Find the rise or fall in the price of refined sugar per pound.

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- 3) Rick weighed himself at the beginning of the year and checked his weight periodically throughout the year. At the end of the year, he had gained 20 pounds, but he had lost 10 pounds. How much did he weigh at the end of the year?

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- 4) Kylie bought 100 shares of a company listed on the NYSE. The share price was \$10 per share. The share price dropped further to \$8 per share. How much is Kylie's share worth now?

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- 5) The temperature of a place was  $6^{\circ}\text{F}$  in the morning and then rose to  $13^{\circ}\text{F}$  at noon. It stayed at that temperature and then dropped by  $4^{\circ}\text{F}$  at night. What was the temperature recorded at the end of the day?

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**Answer key****Integers**

Sheet 2

- 1) Blake gets into the elevator on the second floor of a shopping mall. He goes up 9 floors to reach the bookstore. An hour later, he moves down 3 floors to grab a bite. Which floor is he on now?

**8th floor**

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- 2) The price of refined sugar per pound in August, 1982 was 33 cents. In August, 2011, it was 31 cents. Find the rise or fall in the price of refined sugar.

**31**

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- 3) Rick weighed 150 pounds at the beginning of the year and checked his weight periodically. At the end of the year, he had gained 2 pounds. How much did he weigh at the end of the year?

**152**

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- 4) Kylie bought 100 shares of a company listed on the NYSE. The share price was \$15 per share. The share price then dropped further to \$12 per share. How much is Kylie's share worth now?

**\$15**

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- 5) The temperature of a place was  $6^{\circ}\text{F}$  in the morning and then rose to  $13^{\circ}\text{F}$  at noon. It stayed at that temperature and then dropped by  $4^{\circ}\text{F}$  at night. What was the temperature recorded at the end of the day?

**$15^{\circ}\text{F}$**

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## Integers

Sheet 3

- 1) A submarine to study changes in the sea level of the Pacific Ocean descends 420 feet below sea level. 3 hours later, it makes an ascent of 170 feet. What is the submarine's new position?

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- 2) Ovid, a famous Roman poet was born in 43 B.C. and died in the A.D. 17. How

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- 3) The Atyrau / Schiphol Air is the difference between the sea level and the sea level. What is the difference?

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- 4) A group of hikers complete the trek they trekked below sea level. They are now at sea level. What is the distance they trekked?

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- 5) A mercury thermometer records a temperature of  $10^{\circ}\text{F}$  at 9a.m. If the temperature drops by  $3^{\circ}\text{F}$  every hour, what will be the temperature by 2p.m.?

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**Answer key****Integers**

Sheet 3

- 1) A submarine to study changes in the sea level of the Pacific Ocean descends 420 feet below sea level. 3 hours later, it makes an ascent of 170 feet. What is the submarine's new position?

**-250 ft or 250 ft below sea level**

- 2) Ovid, a famous Roman poet was born in 43 B.C. and died in the A.D. 17. How

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- 3) The Atyrau / Schiphol Air is the difference between the sea level. What is the difference?

**-59 ft or 59 ft**

- 4) A group of hikers completed the trek. They trekked 2755 feet below sea level. They trekked 2755 feet above sea level. What is the distance between the two points?

**2755 feet**

- 5) A mercury thermometer records a temperature of  $10^{\circ}\text{F}$  at 9a.m. If the temperature drops by  $3^{\circ}\text{F}$  every hour, what will be the temperature by 2p.m.?

**$-2^{\circ}\text{F}$**