

FOA II Unit 2
Integer Word Problems

Name _____

1) Jeri lives in Vermont, and Theo lives in Florida. One January day, it was 52 degrees F in Florida and -9 degrees F in Vermont. What was the difference in temperature?

2) The Dead Sea is 1,286 feet below sea level. The Plain of Moab rises 4,400 feet on the east side of the sea. What is the distance from the bottom of the sea to the highest point on the Plain of Moab?

3) On a cold December day, it was 10 degrees F at 1 PM in southern Connecticut. At 1 AM, the temperature had plunged to a -13 degree F. What was the difference of temperatures in the 12 hours?

4) Davon receives a cable television bill for \$29.88. However, there is a late charge of \$3.00. He receives a credit of \$15.00 for a time when the cable was disconnected. How much is his bill?

5) Michaela and Rachel are having a basketball shooting contest. One point is scored for every basket made, and a -1 is given for each missed shot. At the end of the game, Rachel has 8 points and Michaela has a -3. What is the difference in their scores?

6)

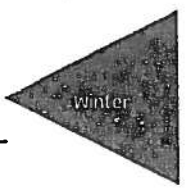
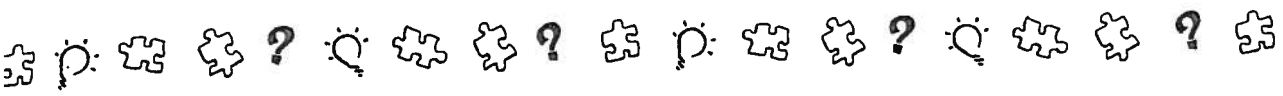
The change in the number of students enrolled at a school over six months is shown in the following table.

School Enrollment

Month	Change
October	-15
November	8
December	3
January	-12
February	3
March	11

The number of students enrolled at the end of September was 4,327. What was the number of students enrolled in the school at the end of March?

- A 4,275
- B 4,300
- C 4,335
- D 4,352



Freezing Out There!

Name _____

Solve each temperature problem.

- It was 5°C outside at noon. Four hours later, the temperature had dropped 8 degrees. What was the temperature outside at 4:00? _____
- It was -6°F outside at Kevin's house. His friend Jan called to say it was 32°F outside at his house. How much colder is it at Kevin's house than at Jan's? _____
- At 3:00, it was -6°F outside. The windchill made it feel like -10°F . How much colder did the windchill make the temperature seem? _____
- The air temperature was -7°C . The water temperature was 4°C . How much warmer is the water temperature? _____
- Solve the equations below. Write the sums and differences in order from least to greatest. Write the corresponding letters in the same order. The letters will spell the answer to the following question: What measurement tool is used with temperature?

$-4 - +3 =$ T

$+6 + -10 =$ H

$+8 - -2 =$ R

$-5 - -7 =$ O

$-9 + -3 =$ A

$+6 + -6 =$ R

$+2 + +5 =$ T

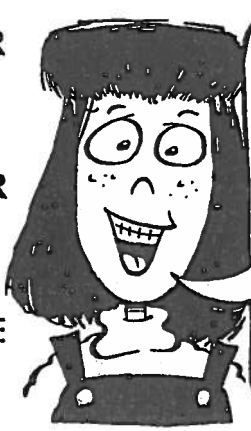
$-1 + +9 =$ E

$+13 + -7 =$ E

$+4 + -6 =$ E

$-3 - -8 =$ M

$-8 + +9 =$ M



THE TEMPERATURE ONCE DROPPED 101°F IN A 24-HOUR PERIOD IN BILLINGS, MONTANA... BRRR!

