

Name _____

Date _____

Class _____

MODULE

2

Multiplying and Dividing Integers

10. In 1924, the temperature in Fairfield, Montana, dropped from 63 degrees to -21 degrees in 12 hours. What was the average hourly change in temperature?
- _____
11. a. Write a multiplication expression containing at least 3 terms that has a negative answer.
- _____
- b. How could you change this expression so that it has a positive answer?
- _____
12. Doug lost his measuring tape, so he had to estimate the length of a board he had to cut. He cut off 2 inches, but the board was still too long. He did this 4 times. After the fourth cut, the board was the right length. Write and find the value of an expression to find the change in the length of the board.
- _____
13. The panda at the zoo became ill and lost 4 pounds every week for 5 weeks. In the sixth week, she began to feel better and gained 3 pounds. Write and find the value of an expression for the change in the panda's weight over these 6 weeks.
- _____
14. Over 8 days, the price of a share of XYZ Company stock fell \$72. On the ninth day, the price rose \$4, but on the tenth day, it fell \$12. Write and find the value of an expression for the average change in the price of the stock for these 10 days.
- _____
15. The Salton Trough has an elevation of 69 meters below sea level. The Dead Sea Depression is almost 6 times deeper. Write and find the value of an expression for the approximate elevation of the Dead Sea Depression.
- _____
16. Race car driver Mario won 3 races and earned 75 points for each win. During the fourth race, he had deductions of 55 points, 104 points, and 85 points, but earned 3 points for finishing. Write and find the value of an expression for how many points he has now.
- _____
17. Deepak bought a new video game. While he learned how to play, he played 6 games and had a combined score of -1,044 points. Write and find the value of an expression for the average number of points he lost in the first 6 games.
- _____
18. For 8 days of very hot weather, the water level in a lake dropped 3 inches per day. On the ninth day, storms raised the level 6 inches. Write and find the value of an expression for the change in the water level of the lake during these 9 days.
- _____
19. Marla has a piece of fabric. She cuts off 8 inches and makes a bow for each of the dogs she grooms. Today she groomed 12 dogs. Write and find the value of an expression for the change in the length of the fabric.
- _____