Name Date

Practice A

2.2

Add. Write fractions in simplest form.

1.  2.  3. 

4.  5.  6. 

7. Describe and correct the error in finding the sum.



Evaluate the expression when  and 

8.  9.  10. 

11. The temperature is degrees Celsius. The temperature goes up   
7.9 degrees. What is the new temperature?

12. You finish  of the project. Your friend finishes  of the project. What fraction of the project is finished?

Add. Write fractions in **simplest** form.

13.  14.  15. 

16. Determine if the following statements are *always*, *sometimes*, or *never* true.

a. When adding two negative rational numbers, the sum will be negative.

b. When adding two rational numbers with different signs, the sum will   
be zero.

c. When adding two positive rational numbers, the sum will be zero.

d. When adding two rational numbers with different signs, the sum will   
be negative.

Name Date

Practice B

2.2

Add. Write fractions in simplest form.

1.  2.  3. 

4.  5.  6. 

7. Describe and correct the error in finding the sum.



Evaluate the expression when  and 

8.  9.  10. 

11. Your banking account balance is  You deposit $10. What is your new balance?

12. You mow of the lawn. Your sister mows of the lawn. What fraction of the lawn is mowed?

Add. Write fractions in **simplest** form.

13.  14.  15. 

16. When is the sum of two rational numbers with different signs positive?

17. The table at the right shows the amount   
of snowfall (in inches) for three months   
compared to the yearly average. Is the   
snowfall for the three-month period greater   
than or less than the yearly average? Explain.

|  |  |  |
| --- | --- | --- |
| December | January | February |
|  |  |  |

18. The table below shows the weekly profits of a concession stand. What must the Week 5 profit be to break even over the 5-month period?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 |
| 2.4 |  | 5.4 |  | ? |