

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Mr. Williams

Class: \_\_\_\_\_

I can apply the properties of operations to add and subtract rational numbers.

Homework



**Puzzle Time**

**Where Does A Salad Dressing Get A Good Night's Sleep?**

Write the letter of each answer in the box containing the exercise number.

Subtract. Write the fractions in simplest form.

1.  $\frac{3}{4} - \frac{9}{4}$

2.  $-3 - \frac{7}{2}$

3.  $\frac{1}{5} - \left(\frac{5}{11}\right)$

4.  $-\frac{5}{8} - \frac{2}{7}$

5.  $-2\frac{2}{3} - 4\frac{1}{6}$

6.  $-3\frac{1}{9} - \left(-2\frac{1}{3}\right)$

7.  $-7 - 3.2$

8.  $6.1 - 5.8$

9.  $-4.125 - (-2.8)$

10.  $-12.33 - 7.21$

11.  $5.67 - (-3.142)$

12.  $2.567 - 6.814$

Find the distance between the two numbers on a number line.

13.  $-3\frac{1}{4}, 4\frac{1}{2}$

14.  $-6.1, 8.4$

15. Your project requires a board that has a length of  $5\frac{3}{16}$  inches. You found a board that has a length of  $9\frac{1}{8}$  inches. How much of the board needs to be cut to use it for your project?

Answers	
O. $-\frac{7}{9}$	A. $-6\frac{1}{2}$
T. 8.812	E. $-1\frac{1}{2}$
O. -10.2	B. -4.247
T. 0.3	E. $\frac{14}{55}$
C. $7\frac{3}{4}$	F. -1.325
L. $3\frac{15}{16}$	E. $\frac{51}{56}$
D. 14.5	N. -19.54
U. $-6\frac{5}{6}$	

6	10	2	12	4	14	7	9	15	3	11	8	5	13	1
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CCSS: 7.NS.1c

**Extra Practice****Subtract. Write fractions in simplest form.**

1.  $\frac{7}{3} - \frac{8}{15}$

2.  $-\frac{7}{24} - \left(-\frac{5}{8}\right)$

3.  $1\frac{5}{6} - \left(-2\frac{1}{4}\right)$

4.  $-3\frac{7}{8} - 9\frac{5}{6}$

5.  $-102.431 - (-59.95)$

6.  $12.001 - 8.215$

Find the distance between the two numbers on a number line.

7.  $-7\frac{1}{5}, -4\frac{2}{3}$

8.  $-9.2, 4.5$

9.  $-2, -3.7$

10. The largest orange in a bag has a circumference of  $9\frac{5}{8}$  inches. The smallest orange has a circumference of  $7\frac{13}{16}$  inches. Write the difference of the circumferences of the smallest orange and the largest orange.

**Evaluate.**

11.  $\frac{5}{12} - \left(-3\frac{1}{4}\right) + \left(-6\frac{1}{2}\right) - 3$

12.  $23.706 - (-82.31) - 130.641$

13.  $-\frac{3}{8} - (-4.35)$

14.  $-\frac{5}{18} - \left|-\frac{1}{6}\right| + \left(-\frac{7}{9}\right)$

15. Your bank account balance is \$32.00. You make the following withdrawals, in the following order: \$15.00, \$7.41, \$35.79, and \$0.53. After each withdrawal that leaves a negative balance, the bank adds a -\$32.00 bank fee to your account. What is your new balance?

16. Fill in the blanks to make the solution correct.

$$3\frac{3}{4} - \square \frac{\square}{8} = 2$$