Name:

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

Mr. Williams

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

1. 
$$\frac{3}{4} - \frac{9}{4}$$
 2.  $-3 - \frac{7}{2}$ 

3. 
$$-\frac{1}{5} - \left(-\frac{5}{11}\right)$$
 4.  $-\frac{5}{8} - \frac{2}{7}$ 

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

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

5. 
$$-2\frac{2}{3} - 4\frac{1}{6}$$
 6.  $-3\frac{1}{9} - \left(-2\frac{1}{3}\right)$ 

8. 
$$6.1 - 5.8$$

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

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

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  $9\frac{1}{9}$  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. 
$$-1\frac{1}{2}$$

T. 0.3 E. 
$$\frac{14}{55}$$

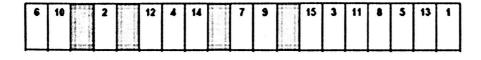
c. 
$$7\frac{3}{4}$$

c. 
$$7\frac{3}{4}$$
 F. -1.325

L. 
$$3\frac{15}{16}$$
 E.  $\frac{-51}{56}$ 

E. 
$$\frac{51}{56}$$

$$0. -6\frac{5}{6}$$



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<u>I can</u> apply the properties of operations to add and subtract rational numbers. 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. 
$$-3\frac{7}{8} - 9\frac{5}{6}$$

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

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

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

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.

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