

- Regular: p. 54-55 #1, 16, 17, 20, 22, 26
- Modified: p. 54-55 #1, 16, 17, 20, 22
- Advanced: p. 54-55 #1, 16, 17, 20, 22-26

1. **WRITING** Explain how to find the sum  $-8.46 + 5.31$ .

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Evaluate the expression when  $x = \frac{1}{3}$  and  $y = -\frac{7}{4}$ .  
(Show work!)

16.  $3x + y$

17.  $-x + |y|$

Add. Write fractions in simplest form.  
(Show work!)

20.  $6 + \left(-4\frac{3}{4}\right) + \left(-2\frac{1}{8}\right)$

22.  $10.9 + (-15.6) + 2.1$

26. **BREAK EVEN** The table at the right shows the annual profits (in thousands of dollars) of a county fair from 2008 to 2012. What must the 2012 profit be (in hundreds of dollars) to break even over the five-year period?

Year	Profit (thousands of dollars)
2008	2.5
2009	1.75
2010	-3.3
2011	-1.4
2012	?

Show work!

Sentence: \_\_\_\_\_

**Advanced:**



June	July	August
$-2\frac{1}{8}$	$1\frac{1}{4}$	$-\frac{9}{16}$

23. **NUMBER SENSE** When is the sum of two negative mixed numbers an integer?
24. **WRITING** You are adding two rational numbers with different signs. How can you tell if the sum will be *positive*, *negative*, or *zero*?
25. **RESERVOIR** The table at the left shows the water level (in inches) of a reservoir for three months compared to the yearly average. Is the water level for the three-month period greater than or less than the yearly average? Explain.

23) \_\_\_\_\_

24) \_\_\_\_\_

25) \_\_\_\_\_