Class/Homework

Don't just give answers copy down the addition statement (Not directions)

When you see fractions you must work with fractions

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Questions

11(aceg,i) (no decimals)

13, 16, 17(a, b, c), 18, 20(ac)

11. Determine each sum.

a) $-\dfrac{2}{3} + \dfrac{1}{2}$

c) $-\dfrac{11}{4} + \left(-\dfrac{6}{5}\right)$

e) $-2\frac{1}{3} + \left(-1\frac{3}{4}\right)$

g) $-3\frac{3}{4} + 4\frac{5}{8}$

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

13. Zoe owes her mother $36.25, then Zoe borrows another $25.35.

a) Write each amount as a rational number.

b) Use the numbers in part a.

   i) Write an expression for the amount Zoe owes.

   ii) How much does Zoe owe?

c) Zoe pays back $14.75.

   i) Write an expression for the amount Zoe now owes.

   ii) How much does Zoe now ow

16) Determine each sum to check.

a) i) $-9.23 + 3.46$ ii) $9.23 + (-3.46)$

b) i) $-\dfrac{2}{3} + \left(-\dfrac{3}{4}\right)$ ii) $-\dfrac{2}{3} + \dfrac{3}{4}$

17. In January, Keith earned $45.50 babysitting and $22.25 shovelling snow. He spent $15.77 on a CD, and $33.10 on a computer game.

a) Write each amount above as a rational number. Justify your choice of sign for

b) Write an addition statement that represents Keith's balance at the end of January.

c) What is Keith's balance?

18. The table shows the money earned and spent by Lucille in the first six months of running her new business, Lucille's Café.

Item	Income	Expense
New tables and chairs		$545.50
New stove		$978.44
Profit on food	$2115.70	
Repair of roof		$888.00
Profit on coffee	$2570.40	
Salary of part-time cook		$2540.20

Did Lucille's business make a profit in the first six months? Use rational numbers in your explanation.

20. Determine the missing rational number in each addition statement. What strategies did you use?

a) $-\dfrac{3}{4} + \square = \dfrac{7}{8}$ c) $\square + \left(-\dfrac{5}{2}\right) = 3\dfrac{1}{8}$