Quiz: Fractions and Decimals

1. $-\frac{3}{7}+ -5$
2. $ 3\frac{1}{4}- -1\frac{2}{5}$
3. - 5.74 + 3.151
4. -1.296 - 4
5. $2\frac{3}{4}- 3.915$
6. 0.24(- 1.38)
7. $-\frac{10}{7}\*\frac{4}{5}$
8. $4\frac{1}{5}÷-\frac{3}{4}$
9. $\frac{12}{5} ÷ -1.38$
10. Evaluate each expression for the given value of the variable $ 3\frac{5}{7}∙x$ for $=-\frac{5}{8}$ .
11. Use a number line to find the sum of $-1\frac{1}{2}+ \frac{2}{3}$
12. Use a number line to find the sum of 3.75 + - 4.25.
13. Does x + (-y) = x – y? Explain why or why not?
14. Why is addition commutative, but subtraction is not?
15. How can you model the multiplication problem $\frac{1}{3}×\frac{3}{4}$ ?
16. Create a generalization for multiplying positive and negative fractions or decimals.
17. How much Addison went to the store to buy a sweater that was originally $20.00. It was on sale for $\frac{4}{5 }$ of its original price h did Addison end up paying for her sweater?
18. What is the decimal form of $\frac{7}{9}$? Is it a terminating decimal or repeating decimal? Explain how you know.