

Pre-Pre-Algebra I – Unit 1 – Practice Test

1. $-5/3 + -1/2 =$
2. What is the average MPG for a Buick LeSabre that can cover 340 miles on an 17-gallon tank?
3. Joey had to solve the following arithmetic problem. Below will be his work. Decide if his answer is correct or incorrect and support your answer.

Original Question: simplify 5×1.1

Joey's Answer: "The answer is 55. I plugged 5 times 1.1 into my calculator and it gave me 55."

Is he right? Or is he wrong? If right, how do you know? If wrong, what did he do to get his answer?

4. Correctly simplify the following numerical expression. Rewrite the equivalent expression after each step.

$$10 + 2(5 + 3) - 2^3$$

5. Simplify: $5(a + b) + 2b - a$
6. Simplify $2a^2 + 4a - 6a^2 + 7$
7. Is the number 10 an integer, a rational number or both. Explain. (You will need at least two full sentences.)
8. Explain the term "order of operations." What are the 6 "operations" and what is their "order" ?