

GRADES 7 AND 8

These three statements are all true:

- 1) $A \times B = 12$
- 2) $A + B + C = 12$
- 3) $B - A = 1$

Which of these are true?

- a) $C = 5$
- b) $B = 3$
- c) $A \text{ or } B = 6$



The teacher wrote this problem on the board:
"Three friends were searching for mushrooms.
At the end of their search, all the mushrooms
had been found by one of the three.

Lucy found $\frac{2}{3}$ of the mushrooms, Linus found $\frac{1}{4}$ of the mushrooms, and Charlie found $\frac{1}{9}$ of the mushrooms." Before she could sit down, Brainy Barb raised her hand. "Ms. Jones, this is not possible." Why not?

Here is an equation using four 5s to equal 1: $(5 \div 5) \times (5 \div 5) = 1$
Find equations using four 5s to equal each of these numbers:
0, 2, 3, 6, 10