

ALLOWED COLLABORATION: You may discuss this assignment and the underlying concepts with your classmates, but your final assignment must be yours alone and reflect your own understanding of the material.

Please read the homework requirements before starting this homework:

- Show your work.
- Write neatly.
- Box your answers.

1. (*10 points*) Bob has two apples. Tony has three apples. How many apples do Bob and Tony have?

Solution:

We need to add the number of apples that Bob and Tony have individually. Let X be the number of apples that Bob has. Let Y be the number of apples that Tony has. Let T be the total number of apples.

$$T = X + Y$$

$$T = 2 + 3 = \boxed{5}$$