Monica is trying to design a coin-flipping game for a charity fair. The plan is for the contestants to flip three coins. What are the odds **in favor of getting exactly three tails?**

Find the probability you will win a Wii bowling tournament given these odds:

(Round your answers to three decimal places.)

1. **4:7 in favor of you winning.  
      
   Given these odds, the probability you will win a Wii bowling tournament**

Let

U = {20, 21, 22, 23, 24, 25, 26, 27, 28, 29}

A = {23, 24, 25, 26}

B = {20, 22, 24, 26, 28}

C = {21, 23, 24, 28, 29}

Find the set.

B

∩

C =

In my Tae Kwon Do class, there is a black belt, four red belts, three blue belts, five green belts, and three yellow belts. If the sensei selects a student at random to lead the warm-up, find the probability as a reduced fraction that the person is **Either a black belt or a blue belt.**

The probability that the student is either a black belt or a blue belt is

Find the compound interest and future value.

Principal Rate Compounded Time

$115,000 4.34% Weekly 39 years

The future value is $\_\_\_\_\_\_\_, and the compound interest is $\_\_\_\_\_\_\_\_\_\_\_\_\_

Round to the nearest cent.