

1) In 2013, 32 NCAA female student athletes were drafted to professional basketball teams. That is out of almost 16,000 college basketball players. If there are 400 college basketball players in a particular state, how many of them are likely to get drafted to a pro team? (Answer as a fraction, then round to the nearest whole number.)

(Source:http://www.ncaa.org/sites/default/files/Probability-of-going-pro-methodology_Update2013.pdf)

2) In 1.5 hours, a single small bat can catch 1800 insects. If the bat hunts for 2 hours at this rate, how many insects can it catch? (Source:<http://www.corsinet.com/trivia/a-triv.html>)

3) A person walking 600 steps burns about 30 calories. How many steps should this person walk to burn 95 calories? (This is for a 150 pound person walking 100 steps a minute, about 3mph.) (An apple has about 95 calories.) (Source:<http://www.livestrong.com/article/318593-how-many-calories-do-you-lose-per-600-walking-steps/>)

4) An albatross can doze off while it is flying. It does so at a speed of 1100 ft every 30 seconds. How many seconds of snoozing/flying at this rate would it take to travel 5280 ft? (5280 ft is 1 mile.) (Source:<http://www.corsinet.com/trivia/a-triv.html>)

5) In 2013, out of almost 18,000 college basketball players, 46 NCAA male student athletes were drafted to professional basketball teams. If there are 500 college basketball players in a particular state, how many of them are likely to get drafted to a pro team? (Answer as a mixed number, then round to the nearest whole number.) (Source:http://www.ncaa.org/sites/default/files/Probability-of-going-pro-methodology_Update2013.pdf)

6) A recipe for pancakes calls for $3\frac{1}{2}$ teaspoons of baking powder, and it says that it serves 8 people. If you want to make the recipe for 14 people, how much baking powder should you use? (Write answer as a mixed number.)