

Complete.

<p>1. One group (A) contains 175 people. One-fifth of the people in group A will be selected to win free tickets to a concert. There is another group (B) in a nearby town that will receive the same number of tickets, but there are 585 people in that group. What will be the ratio of non-winners in group A to non-winners in group B after the selections are made?</p>	<p>2. It was recently estimated by the Extraterrestrial Alien Monitoring Agency, that unregistered extraterrestrials outnumber registered ones by about six-to-five. If there are a total of 2,002 extraterrestrials, about how many of them are registered?</p>
<p>3. There are four hundred students at edHelper Middle School in Brain City. If 51% of the students are female, what is the ratio of female students to male students? Make sure your answer is in lowest terms!</p>	<p>4. The local election is over and a new mayor has been elected to lead Big Town. The new mayor received three votes for every vote received by her opponent. The new mayor received 2,058 votes. How many votes did her opponent receive?</p>
<p>5. If the probability that a chicken will cross the road is one-fourth, then what is the ratio that the chicken will cross the road to the chicken will not cross the road? _____ to _____</p>	<p>6. Which is bigger, half of 22 or one-fifth of 95?</p>

Complete.

<p>1. In a certain desert environment there are a lot of small rodents. There also happen to be a lot of snakes that feed on the rodents. The ratio of rodents to rodent eating snakes is 13 to 5. If there are 4,000 snakes in the area, how many rodents are there?</p>	<p>2. If venom A is two times as potent as venom B and venom C is 2.6 times as potent as venom B. How much more potent is venom C compared to venom A?</p>
<p>3. If there is a two in seven chance of getting a red flower when crossing a red flowered plant with a white flowered plant, how many white flowered plants would be expected in a population of 753 offspring from such a cross?</p>	<p>4. If two out of every seven individuals in a population of armadillos carry a gene for a defective enzyme, how many individuals carry the normal gene in a population of 801 armadillos?</p>

<p>5. There is always a 1 to 1 correspondence between the number guanines (G) and the number of cytosines (C) in a DNA molecule. The same is true of the relationship between adenine (A) and thymine (T). Of course professor Floop knows this. He analyzed a strand of DNA and determined the amounts of C and G it contained. If the molecule was 24% G, what was the percentage of A?</p>	
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Complete.

<p>1. The ratio of indoor basketballs to outdoor basketballs at the Megalopolis recreation center is 6:4. If the rec center has 55 basketballs, how many of them are indoor basketballs?</p>	<p>2. At Mr. Bloop's summer sports camp, $\frac{1}{4}$ of the total participants came to learn about soccer. The rest came to learn about other sports. If 93 participants showed up, how many were <i>not</i> there to learn about soccer?</p>
	<p>4. Hailey practices figure skating an average of 8 hours per week. Courtney practices figure skating an average of 1.2 hours for every hour Hailey practices. How many hours a week does Courtney practice?</p>
<p>5. Tyler has a record of winning 4 boxing matches for every 3 he loses. If he had 23 matches during the last year, how many did he win?</p>	<p>6. The Bigtown football team outscored its opponents 5:3 last season. If their opponents scored 77 points, how many points did Bigtown score?</p>