1. The Barber Cafeteria has a total of 468 seats. Only 443 seats were OCCUPIED during 6th grade lunch. What was the ratio of the number of seats that were OCCUPIED to the number of seats that were NOT OCCUPIED during 6th grade lunch?
2. In Mr. Abel’s class there are 14 boys and 12 girls. Find the ratio of girls to boys.
3. The model below shows shaded hearts to non-shaded hearts. What is the ratio of non-shaded hearts to hearts?
4. Mr. Grogan is taking the Barber Band on a field trip. There are 450 students going on the trip, and they are taking 9 buses. What is the unit rate, in terms of students per bus?
5. Zoe planted 15 cucumber seeds. Out of the 15 seeds planted, only 4 sprouted. How many plants can Zoe plan on yielding if she plants 255 seeds?

|  |  |  |  |
| --- | --- | --- | --- |
| Number of Seeds | 15 |  | 255 |
| Successes | 4 |  | ? |

1. The table shows how much money a grocery store receives for selling different amounts of parsley.

**Parsley Sales**

|  |  |
| --- | --- |
| **Number of Pounds** | **Total Sales** |
| 8 | $16 |
| 10 | $20 |
| 12 | $24 |

If the unit rate is constant, what are the total sales for 16 pounds of parsley?

1. A piece of bulletin boarder is 36 inches long. Write a proportion that can be used to find the length, in centimeters, of the boarder.

1 in. = 2.54 cm.

1. A hiking trail through Red Top Mountain is 5.72 miles long. What is the length of the trail in kilometers?

1 mile = 1.6093 kilometers

1. In order to convert from feet to miles, Carley set up a proportion. What does *x* equal?
2. How many inches are in 27 feet? 1 foot = 12 inches
3. How many centimeters are in 17 inches? 1 inch = 2.54 centimeters
4. A cargo bin can hold 44,000 pounds cargo. If a cargo ship can carry 21,000 full cargo bins, how many Tons does an average cargo ship carry? 1 Ton = 2,000 pounds