

Ratio and Proportion

- 1) If the ratio of boys to girls in Mrs. Ritter's class is 3 to 5, how many girls are in her class if there are 32 students in her class?

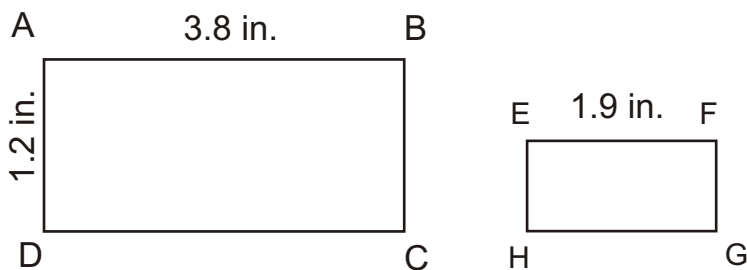
- 2) A day care with 120 children decided they should hire 20 teachers. What is the ratio in simplest terms of teachers to children?

- 3) The local high school baseball team had 4 wins for every 3 losses. If they played 21 games, how many games did they win?

- 4) What is the ratio of vowels to consonants in the English language?(Do not include y)

- 5) Out of 24 balls in a ball pit, 25% of the balls were red. In simplest terms, what is the ratio of red balls to non-red balls?

- 6) The rectangles below are similar. What must be the length of line segment EH?



- 7) Erica scored 27 out of 30 problems correct on her last test. At that rate, how many problems would she score correctly on a 70 problems test?
- 8) Wendell correctly answered 12 out of 15 problems correctly on his last quiz. At that rate how many problems would he score incorrectly on a test with 20 problems?
- 9) If the average defective rate for a computer chip is 3 per 100 or 3%, how many should be expected to be defective in a batch of 400 computers?
- 10) If a car traveled 124 miles in 3 hours, how far will the car have driven if it maintains the same rate of speed for $1\frac{1}{2}$ more hours?
- 11) In a scale model drawing of a room, the room is drawn with the dimensions 3 inches in width and 5 inches in length. If the room's length is really 20 feet, what is the area of the room. (Assume the room is shaped like a rectangle).

