

Fractions, Decimals, Percents Homework #1

1. After renovations on Kim's bedroom, only 30 percent of one wall is left without any décor. Shade the grid to represent the space that is left to decorate.

a. What does each block represent?

b. What percent of this wall has been decorated?

0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

2. There are 100 students in sixth grade. Students in sixth grade can participate in one after-school music program. 22% chose chorus, 55% chose band, and 10% chose orchestra. How many sixth graders are not participating in a music program? Show your answer on a 10 x 10 grid, then fill out the chart.

Students	In a music program	Not in a music program
Percent		
Fraction		
Decimal		

3. There are 100 songs on Dana's iPod. 70 songs are hip hop, 8 songs are rock, and 10 are pop music. The rest of the songs are K-pop.
- a. How many songs are K-pop? How do you know?
- b. What fraction of the songs are hip hop?
- c. If you could only put 100 songs on an iPod, which types of music would you choose? List the categories and the percent of songs in each type of music that you would choose.