Percent Problems

Classwork

Use the percent bar model to solve the following problems.

1.At Madison Middle School, 60% of the 800 students participate in music. How many students participate in music?

2.At Madison Middle School, 55% of the 800 students participate in music. How many students participate in music?

3.Charlie wants a new pair of shoes that cost $40. His mom pays 75% of the cost and Charlie pays 25%. How much do they each pay?

4.A school will have a fall festival if at least 40% of the 500 students plan to attend. How many students must agree to attend in order for the school to have the festival?

5.Eric wants to buy a video game that costs $24, but he only wants to spend 40% of his savings. How much must Eric save in order to buy the game?

6.150 students at York Middle School took part in the school clean up. This is 30% of the school's total students. How many students attend York Middle School?

7.Cesar turned in his third research report. His teacher said that Cesar had completed 20% of the reports for the school year. How many research reports will he do during the school year?

8.Nia answered 80% of the 40 questions on a test correctly. How many correct answers did she have?

9.Andrei's grandfather offered to give him a gift of 50% of the amount of money he saved in one year. Andrei saved $120 dollars. How much did his grandfather give him as a gift?

10.Antonio has completed 210 pages in a book he is reading. He has completed 70% of the book. How many pages are there in the book?

11.During the basketball season, Cory made 21 of the 60 baskets she attempted. Krista made 18 of the 45 baskets she attempted. Paula made 17 of the 50 baskets she attempted. How would you list the players in order from lowest shooting record to the highest?

12.Jason's father bought a computer for $800. He made equal payments of 25% of the total cost. How much was each payment?