

Percent Problems Using Percent Bars

1. Fatima wants to buy a jacket that costs \$60. She has a coupon that will give her 10% off of the cost of the jacket. How much will she pay for the jacket if she uses the coupon?
2. Jackson's mom limits the amount of time he is allowed to play video games. After Jackson plays for 9 minutes, his mom tells him that he has used up 30% of his time. How many more minutes can Jackson play before he uses all of his time?
3. Ashley has sold 70% of the 20 candy bars she is supposed to sell for her softball team. How many candy bars does she have left to sell?
4. A shoe store is having a sale in which every pair of shoes is 40% off the regular price.
 - a. Richard is looking for a pair of shoes with a regular price of \$65. How much will the pair of shoes cost after the discount?
 - b. Gwen is buying 3 identical pairs of shoes that have a total cost of \$40.50 after the discount. What is the regular price of each pair?
5. You are taking a math test and you get 32 problems, or 80% of the test correct. How many problems are on the test?
6. Your best friend takes a math test with 40 problems. Your friend solves 75% of the problems correctly. How many problems did your friend get correct?
7. Another friend gets 36 out of 40 problem correct. What percent did your friend get correct?
8. Tony bought a CD on sale for \$3 off the original price of \$15. What percent was the CD marked down?
9. Serena got the same CD for \$10.50 at another store. This was 30% off the regular price. What was the original price?
10. Erik bought a book of mystery stories. It was 25% off the original price of \$15. How much did Erik pay for the book?
11. There are 75 students in the seventh grade. 45 students go to art class. The rest of the students have computer lab. What percent of the students have computer lab? What percent of the students have art?
12. Sixty of the 75 seventh grade students take the bus to and from school. What percent do NOT take the bus?

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. Caesar turned in his third research report. His teacher said that Caesar 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?