

Percents

FINDING THE TOTAL Percent Proportion

$$\frac{\textit{part}}{\textit{total}} = \frac{\%}{100}$$

Use percent proportion, fill in information and solve.

Read carefully and solve.

1. Mr. Ash owns a tree, which is 42 feet tall. He estimates that this tree is 75% as tall now as it will be when fully grown. How tall will the tree be when it is fully grown?
2. Doris has read 120 pages of a library book. This is 30% of the book. How many pages are there in the book?
3. There are 45 boys on the school football team. This number represents 5% of the school's total enrollment. What is the school's total enrollment?
4. A job is $33\frac{1}{3}\%$ completed in 15 minutes. At this rate, how many minutes will it take to complete the entire job?

5. Phyllis sold 85% of the store's pair of sunglasses on Friday. If she sold 51 pairs of sunglasses Friday, how many pairs did the store originally have in stock?

6. Martha received 212 votes for class secretary. This was 53% of the total number of votes cast. How many votes were cast?

7. Arlene has earned 75% of the points she needs for a prize. She has earned 660 points. How many points are needed to win the prize?

8. Jake can throw a baseball 240 feet. This is 80% as far as his older brother can throw the ball. How far can his older brother throw the ball?

9. Suzy determined that 7% of all her earnings went to entertainment. If she spent \$111.72 on entertainment, how much was her total earnings?

10. Glenn saved 62% of the money necessary for his vacation by April. If he had saved \$3100, how much is his vacation going to cost?