

1. The ratio of girls to boys at a party was  $7 : 16$ . After 6 girls left and 3 boys left, the ratio of girls to boys at the party was  $2 : 5$ . Find the number of girls at the start.
  
2. The ratio of girls to boys at a party was  $11 : 49$ . After 11 girls left and 9 boys left, the ratio of girls to boys at the party was  $11 : 69$ . Find the number of children at the end.
  
3. The ratio of girls to boys at a party was  $46 : 29$ . After 12 girls arrived and 7 boys arrived, the ratio of girls to boys at the party was  $167 : 105$ . Find the number of girls at the start.
  
4. The ratio of girls to boys at a party was  $5 : 8$ . After 11 girls arrived and 2 boys arrived, the ratio of girls to boys at the party was  $58 : 85$ . Find the number of girls at the start.
  
5. The ratio of girls to boys at a party was  $23 : 21$ . After 12 girls arrived and 9 boys arrived, the ratio of girls to boys at the party was  $10 : 9$ . Find the number of girls at the start.
  
6. The ratio of girls to boys at a party was  $19 : 23$ . After 1 girl left and 11 boys arrived, the ratio of girls to boys at the party was  $85 : 109$ . Find the number of children at the start.