

Changing Ratios

- (1) The ratio of girls to boys at a party was 15:11. After 6 girls arrived, the ratio of girls to boys at the party was 46:33. Find the number of children at the start.
- (2) The ratio of girls to boys at a party was 25:38. After 5 girls arrived, the ratio of girls to boys at the party was 90:133. Find the number of girls at the start.
- (3) The ratio of girls to boys at a party was 10:33. After 12 girls arrived, the ratio of girls to boys at the party was 23:66. Find the number of girls at the end.
- (4) The ratio of girls to boys at a party was 23:10. After 10 girls left, the ratio of girls to boys at the party was 41:20. Find the number of boys at the start.
- (5) The ratio of girls to boys at a party was 13:27. After 10 girls left and 10 boys arrived, the ratio of girls to boys at the party was 17:43. Find the number of boys at the start.
- (6) The ratio of girls to boys at a party was 41:26. After 6 girls left and 6 boys arrived, the ratio of girls to boys at the party was 79:55. Find the number of girls at the start.
- (7) The ratio of girls to boys at a party was 36:35. After 2 girls left, the ratio of girls to boys at the party was 46:45. Find the number of girls at the start.
- (8) The ratio of girls to boys at a party was 13:25. After 1 girls left and 1 boys arrived, the ratio of girls to boys at the party was 32:63. Find the number of girls at the end.
- (9) The ratio of girls to boys at a party was 4:3. After 7 girls arrived and 7 boys left, the ratio of girls to boys at the party was 45:32. Find the number of girls at the end.
- (10) The ratio of girls to boys at a party was 21:5. After 9 girls left and 9 boys arrived, the ratio of girls to boys at the party was 3:1. Find the number of children at the end.
- (11) The ratio of girls to boys at a party was 33:37. After 4 boys left, the ratio of girls to boys at the party was 66:73. Find the number of boys at the end.
- (12) The ratio of girls to boys at a party was 25:21. After 4 boys left, the ratio of girls to boys at the party was 50:41. Find the number of boys at the end.
- (13) The ratio of girls to boys at a party was 10:11. After 9 girls left and 9 boys arrived, the ratio of girls to boys at the party was 29:34. Find the number of boys at the start.
- (14) The ratio of girls to boys at a party was 15:4. After 8 boys left, the ratio of girls to boys at the party was 45:11. Find the number of boys at the start.
- (15) The ratio of girls to boys at a party was 13:44. After 8 boys left, the ratio of girls to boys at the party was 13:42. Find the number of girls at the end.
- (16) The ratio of girls to boys at a party was 25:18. After 10 boys left, the ratio of girls to boys at the party was 100:67. Find the number of children at the start.