

23. FACTOR 24. DIVIDE 25. EXCEED 26. ABSCISSA
27. RANDOMLY 28. REMEMBERED 29. STATISTICS 30. MATHEMATICS
31. A box contains 9 red, 4 blue, and 6 yellow chips. In how many ways can 6 chips be chosen if:
- a. all 6 chips are red?
 - b. all 6 chips are yellow?
 - c. 2 chips are blue?
 - d. 3 chips are red?
 - e. 4 chips are yellow?
 - f. there are 2 chips of each color?
 - g. 3 chips are red and 3 chips are blue?
 - h. 5 chips are red and 1 chip is yellow?

In 32–37, determine the number of different arrangements.

- 32. The finishing order of 7 runners in a race
- 33. Seating of 5 students in a row of 9 chairs
- 34. Stacking 6 red, 4 yellow, and 2 blue t-shirts

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- 35. The order in which a student answers 8 out of 10 test questions
- 36. Making a row of coins using 4 pennies, 3 nickels, and 3 dimes