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2. d) 1,2 and 4
3. d) formulating the clustering problem
4. a) Euclidean distance
5. b) Divisive Clustering
6. d) All answers are correct
7. a) Divide the data points into groups
8. b) Unsupervised learning
9. d) All of the above
10. a) K-means clustering algorithms
11. d) All of the above
12. a) Labeled data
13. Cluster analysis is often used in conjunction with other analysis. So, the researcher must be able to interpret the cluster analysis based on their understanding of data to determine if the results produced by the analysis are meaningful or not.  
For cluster analysis there are methods like binary, nominal, ordinal and scaled data.
14. A cluster quality is measured by:
  - i) Extrinsic Measures which require ground truth labels.
  - ii) Intrinsic measures that does not require ground truth labels.
15. Cluster analysis is a multivariate data\_mining technique whose basic goal is to group objects. Types of clustering analysis are:
  - i) Hierarchical Cluster Analysis
  - ii) Centroid-based Clustering
  - iii) Distribution based clustering
  - iv) Density based Clustering