"OR" AND VENN DIAGRAM SUPPLEMENTAL WORKSHEET

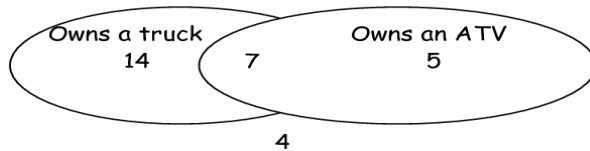1. A card is chosen from a well shuffled deck of 52 cards. Calculate each of the following:
  - a) P (ace)
  - b) P (a card with a number on it)
  - c) P (a face card)
  - d) P (4 or 7)
  - e) P (9 or 3)
  - f) P (jack or queen)
  - g) P (king or ace)
  - h) P (4 or diamond)
  - i) P (red card or a queen)
  - j) P (picture card or a club)
  - k) P (black card or a card with a number)

2. A bag contains 4 red balls, 9 blue balls and 7 white balls. A ball is drawn. What is the probability of choosing:
  - a) a red ball or a white ball
  - b) a blue ball or a red ball
  - c) a blue ball or a white ball
  - d) a red, blue or white ball
  - e) neither a blue nor white ball

3. The following Venn diagram shows the totals of 30 people randomly asked if they have a truck, ATV or both. Answer the following questions based on this survey:

Owns a truck 14 7 Owns an ATV 5

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  - a) How many people own a truck?
  - b) How many people own only a truck?
  - c) How many people own neither a truck or ATV?
  - d) How many people own a truck and an ATV?
  - e) How many people own a truck or an ATV?