Addition Rule of Probability - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem.

1. Jeff is playing cards. What is probability of pulling a king or queen?  
   ________
   a. \( \frac{13}{20} \)

2. In a group of 78 people; 24 drink tea and 31 drink coffee. Find the probability that a person picked from this group at random is either tea or coffee drinker?  
   ________
   b. \( \frac{68}{100} \)

3. David is playing cards. What is probability of pulling a diamond or spade?  
   ________
   c. \( \frac{2}{13} \)

4. In a city, 40% of the population is poor, 25% people are rich, and 35% are middle class. Find the probability that a person picked from this city at random is either poor or rich?  
   ________
   d. \( \frac{55}{78} \)

5. Nancy is playing cards. What is probability of pulling a diamond or 4 of clubs?  
   ________
   e. \( \frac{7}{26} \)

6. A bag contains 8 books. 3 are economics, 2 are English, and 3 are math. A book is selected at random. What is the probability that the book chosen is either economics or math?  
   ________
   f. \( \frac{3}{4} \)

7. William is playing cards. What is probability of pulling an 8 of spades, 10 of diamonds, or heart?  
   ________
   g. \( \frac{1}{2} \)

8. There is a mixed group of 100 students and/or teachers; 45 are boys, 55 are girls, and 23 are female teachers. People are selected at random. What is the probability that the person chosen is either a boy or a teacher?  
   ________
   h. \( \frac{15}{52} \)