

Name \_\_\_\_\_

Date \_\_\_\_\_

**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.  $\frac{15}{52}$

