

Name _____

Date _____

Multiplication Rule of Probability - Matching Worksheet

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

- _____ 1. Nathan has 4 brown teddy bears, 5 pink teddy bears and 3 red teddy bears in his shop. Two teddy bears are drawn without replacement from the shop. What is the probability that both of the teddy bears are brown? a. $1/6$
- _____ 2. Eliza has 2 black marbles, 6 blue marbles and 4 green marbles in a bag. She picks one marble and records its color. She then puts it back in the bag and draws another marble. What is the probability of taking out a blue marble followed by the green marble? b. $2/15$
- _____ 3. Alana has a packet with 3 silver wrapping papers, 5 golden wrapping papers, and 6 pink wrapping papers. Two wrapping papers are drawn without replacement from the packet. What is the probability that both of the wrapping papers are golden? c. $1/8$
- _____ 4. A basket contains 4 pink clips, 6 purple clips, and 5 white clips. Daisy picks one clip and records its color. She then puts it back in the basket and draws another clip. What is the probability of taking out a white clip followed by the purple clip? d. $1/11$
- _____ 5. Harry has 2 blue pens, 2 black pens and 4 red pens in his box. He picks one pen and records its color. He then puts it back in the box and draws another pen. What is the probability of taking out a red pen followed by the blue pen? e. $10/91$

