

Name _____

Date _____

Probability of a Chance Event - Matching Worksheet

Write the letter of the answer that matches the problem.

- _____ 1. Max has a bag of 8 pens. 3 of the pens are plastic. What is the probability that a randomly selected pen will be a plastic pen? a. $\frac{10}{30}$
- _____ 2. Stella has balls. There are three types of balls. Basketball, soccer and baseball. If the probability of getting a Basketball is $\frac{4}{10}$ and the probability of getting a soccer ball is $\frac{2}{5}$, what is the probability of getting a baseball? b. $\frac{1}{6}$
- _____ 3. Ellie has a bottle store. She has 30 bottles. 10 bottles are made of glass. What is the probability that a randomly selected bottle will be a glass bottle? c. $\frac{7}{20}$
- _____ 4. Tyler and Maya want to play chess. They want to decide who plays first so they are flipping a coin. What is the probability of getting "tails" on the coin flip? d. $\frac{5}{16}$
- _____ 5. Leila plays Dungeons and Dragons. If he rolls a 6-sided die, what is the probability he will get a 5? e. $\frac{3}{8}$
- _____ 6. Gavin goes to the market and purchases some chocolate. There are 16 pieces of chocolate. 5 are vanilla chocolate. What is the probability that a randomly selected piece of chocolate will be vanilla? f. $\frac{1}{2}$
- _____ 7. Liam arranges a party. There are 20 bowls of sweets at the party. 7 bowls contain sugar free sweets. What is the probability that a randomly selected bowl be sugar free? g. $\frac{2}{10}$

