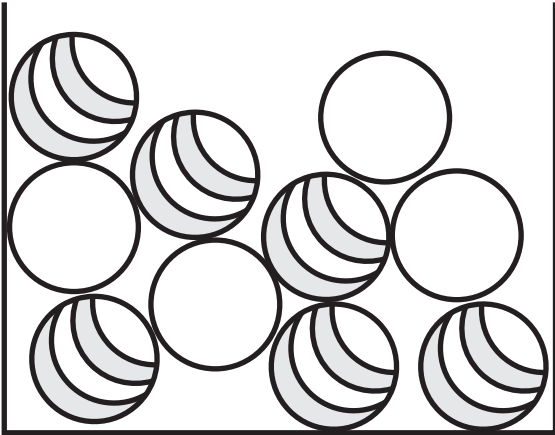


Name: _____

1) There are six striped balls and four plain balls in a box.



Without looking, Sam takes one ball.

a) As a fraction, what is the chance of Sam picking a striped ball? _____

b) As a percentage, what is the chance of Sam picking a plain ball? _____

2) Twenty cards are placed face-down on a table. Five cards have a picture of a lion, five a picture of a monkey, and ten a picture of an elephant.

Sam takes 1 card.

a) As a percentage, what is the chance the card will have a picture of an elephant? _____

b) As a percentage, what is the chance the card will have a picture of a monkey? _____

c) As a percentage, what is the chance the card will have a picture of a giraffe? _____

3) A coin has a head side and a tail side. Sam flipped a coin nine times and recorded the outcome of each toss. ('H' stands for heads)

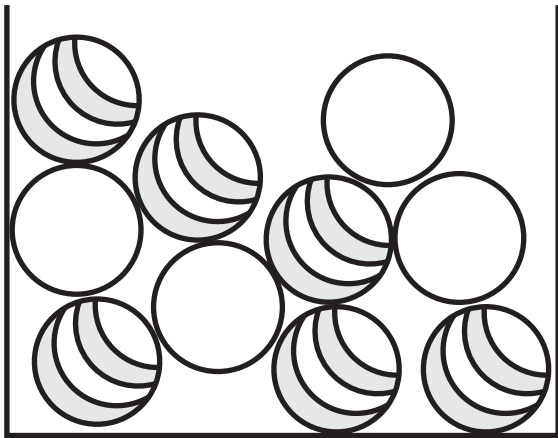
(H) (H) (T) (H) (H) (T) (H) (H) (H)

What is the percentage chance that the tenth toss will be a 'head'? _____

Explain your answer: _____

Name: _____

4) There are six striped balls and four plain balls in a box.



Sam takes three balls without looking. The first two balls Sam chooses are striped.

a) As a percentage, what is the chance that the third ball is striped? _____

5) A spinning wheel is numbered from 1 to 100.

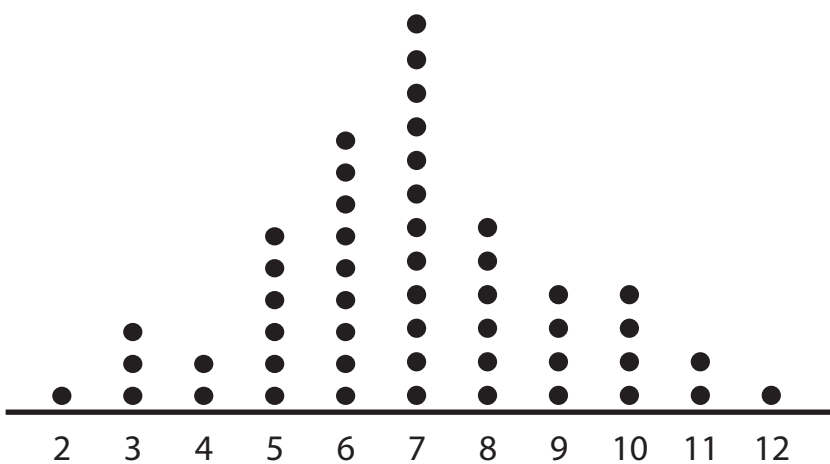
The wheel is spun only once.

a) As a percentage, what is the chance the number will be greater than 80? _____

b) What is the chance the number will be between 42 and 58? _____

c) Before spinning the wheel, Sam guessed the number would be 10, 12, 18, 26, or greater than 90. What is the percentage chance that Sam will be correct? _____

6) There are 50 balls in a box numbered from 2 to 12. The quantity of each numbered ball is shown on the graph.



The numbers that are on each ball.
For e.g. there are six balls with the number 5.

Without looking, Sam takes one ball from the box.

a) As a percentage, what is the chance that the ball will have the number 10? _____

b) As a percentage, what is the chance that the ball will be numbered less than 5? _____

c) Sam picks a 9. Then, he places the ball back in the box. What is the percentage chance that Sam will pick another 9? _____