

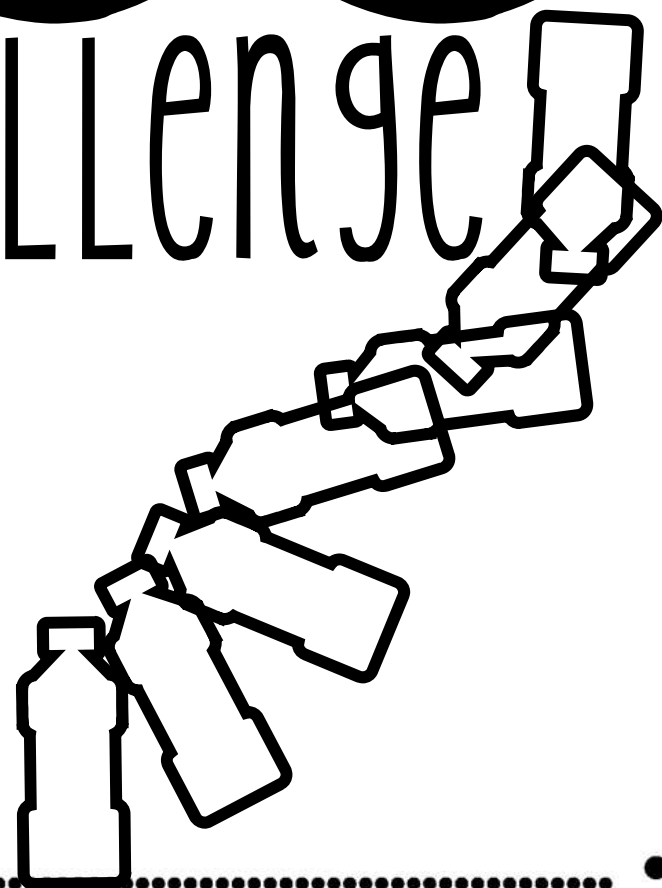
The ultimate BOTTLE TOSSES



Scan to Watch



Challenge!



Find the ideal bottle type and water level for all of your bottle toss & flipping trick-shot videos!

Name: _____

THE BOTTLES

For this challenge, you will need at least 4 different bottles to test. They may be different brands, shapes, sizes, and colors. Describe each bottle. Be sure to indicate the unit you used to measure the height - you will need to use a ruler. Also list the units you will use to compare the volume. The volume is typically on the bottle's label. Use the same units for each bottle. Illustrate your bottles. Be sure to show any specific features like curves, dents, ridges, etc.

BRAND

A

HEIGHT

VOLUME

ILLUSTRATION

BRAND

B

HEIGHT

VOLUME

ILLUSTRATION

THE TECHNIQUE

First practice tossing the bottles. Once you have developed a technique that you are comfortable with, fill out the checklist. You will need to use this same technique each time you toss for the challenge so write it all down.

HAND USED

- LEFT HAND
- RIGHT HAND

BODY POSITION

- STANDING
- SITTING
- SQUATTING
- ON KNEES
- OTHER: _____

BOTTLE LOCATION

- TABLE TOP
- DESK
- FLOOR
- CARPET
- OTHER: _____

START POSITION

- BOTTOM SIDE DOWN
- BALANCING ON CAP

HAND MOVEMENT

- SLOW LOB
- QUICK FLICK

BODY DISTANCE

- 1 FOOT
- 2 FEET
- 6 INCHES
- OTHER: _____

*Anything
ELSE?*

THE TOSS

Toss each bottle the same predetermined amount of times.. If you are working with a small group or partner, you may split the tosses - just be consistent and do the same for each bottle. Use tally marks to record if the toss was successful or not. A successful toss is one where the bottle lands the same way as it started. Be sure to use the same technique for each toss as marked on the techniques page.

Number of tosses for each bottle:
Circle one or choose your own (realistic) number.

15
 25
 50

Successful?

BOTTLE	YES	NO
A		
B		
C		
D		

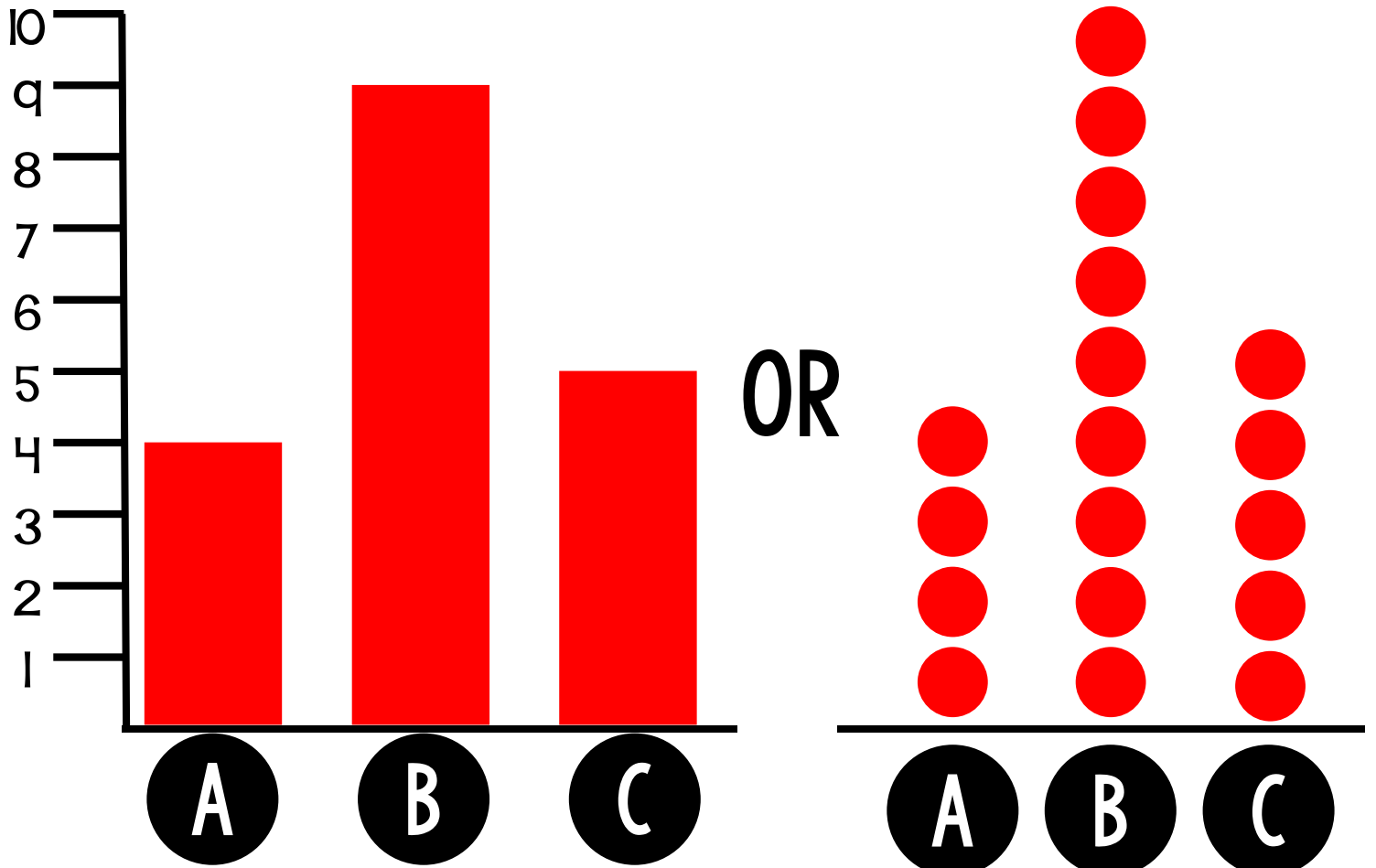
THE FREQUENCY

BOTTLE	TOTAL SUCCESSFUL TOSSES - TALLY MARKS	FREQUENCY
A		
B		
C		
D		
E		
F		
G		
H		

THE FREQUENCY

Sample Frequency Chart & Plot/Graph

BOTTLE	TOTAL SUCCESSFUL TOSSES - TALLY MARKS	FREQUENCY
A		4
B	 	9
C	 	5

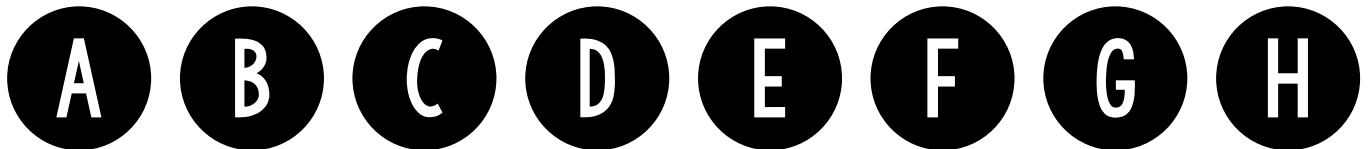


THE GRAPH

Use the data from the frequency chart to make a line plot, dot plot or graph. You will need to label the Y-axis, write in your total number of tosses and title your graph.

Times Bottle Landed Successfully Out of _____ Tosses.

(Title)

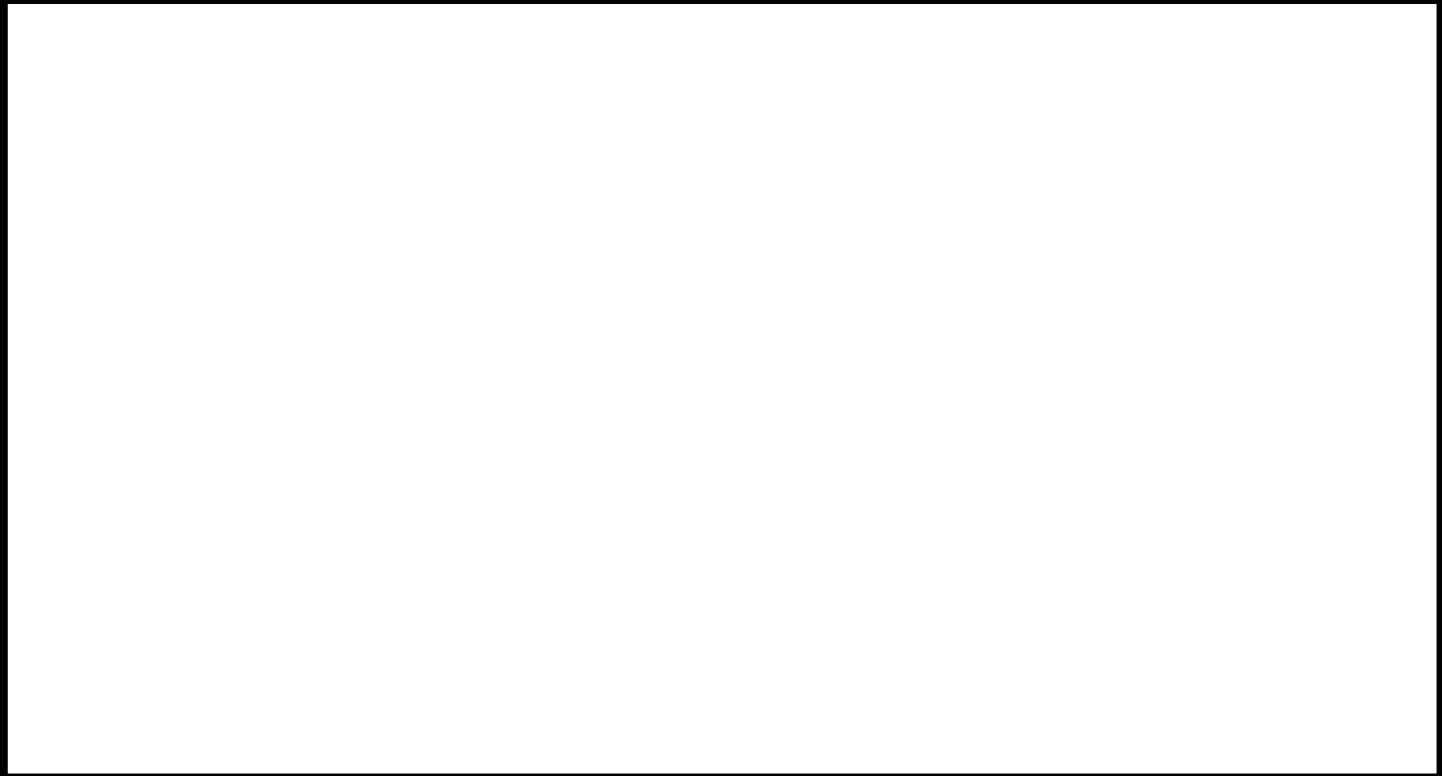


Bottle Tossed _____ Amount of Times

THE LANDMARKS

Look at your data to determine the following. Use the space to show your work.

MEAN / AVERAGE NUMBER OF SUCCESSFUL TOSSES



Which bottles were less successful at landing than the average?

Which bottles were more successful at landing than the average?

THE RESULTS

Which water bottle or bottles had the highest success rate? Why do you think that might be?

Which water bottle had the lowest success rate? Why do you think that might be?

What is something you did well in this part of the challenge?

What is something you had difficulty with in this part of the challenge?