

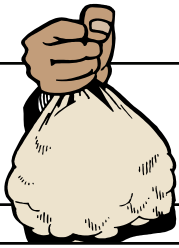
MYSTERY BAG

DIRECTIONS:

- Prepare four bags with the appropriate number of different colored chips. Mark the bags only A, B, C, D. Prepare index cards that list facts about each bag.
- Distribute a set of bags and index cards to each student group.
- Without looking in the bag, students should draw one tile from Bag A. They should record the color of the tile drawn. Replace the tile before drawing the next tile. Students should draw and record a total of six tiles from Bag A.
- Students should repeat this process with each of the bags. They should record information separately for each bag.
- Students must then decide which index card is the correct label for which bag. They should attach the appropriate index card to the bag using a paper clip. Students should be prepared to explain WHY they matched the label to that particular bag.

Bag A	Bag B	Bag C	Bag D
5 red 1 yellow 5 blue 1 green	1 red 5 yellow 1 blue 5 green	3 red 3 yellow 3 blue 3 green	2 red 6 yellow 2 blue 2 green

Card #1	Card #2	Card #3	Card #4
This bag has more yellow chips than any other color.	This bag has more red and blue chips than yellow and green chips.	This bag has equal numbers of each color.	This bag has more yellow and green chips than blue and red chips.



MYSTERY BAG

BAG A Matches Card #		
COLOR	TALLY	TOTAL
Red		
Yellow		
Blue		
Green		

BAG B Matches Card #		
COLOR	TALLY	TOTAL
Red		
Yellow		
Blue		
Green		

BAG C Matches Card #		
COLOR	TALLY	TOTAL
Red		
Yellow		
Blue		
Green		

BAG D Matches Card #		
COLOR	TALLY	TOTAL
Red		
Yellow		
Blue		
Green		

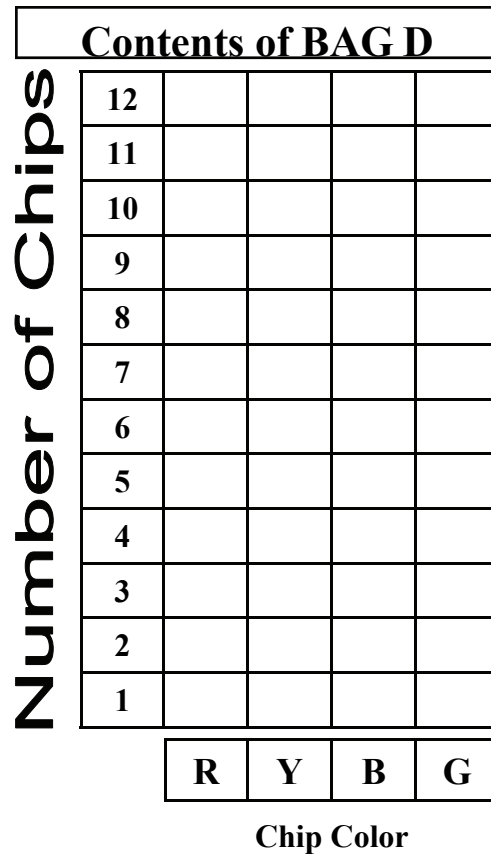
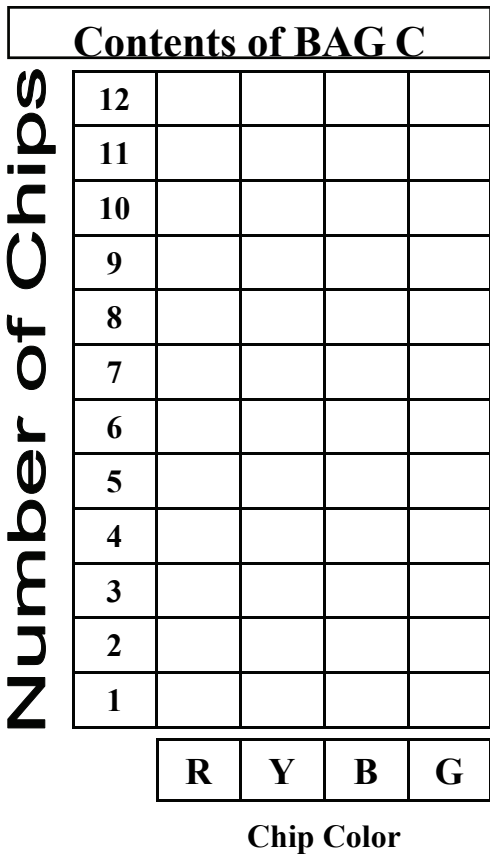
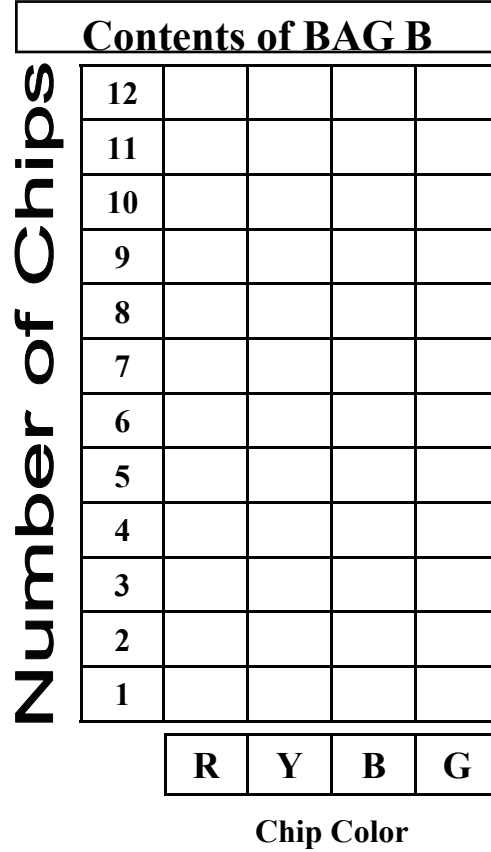
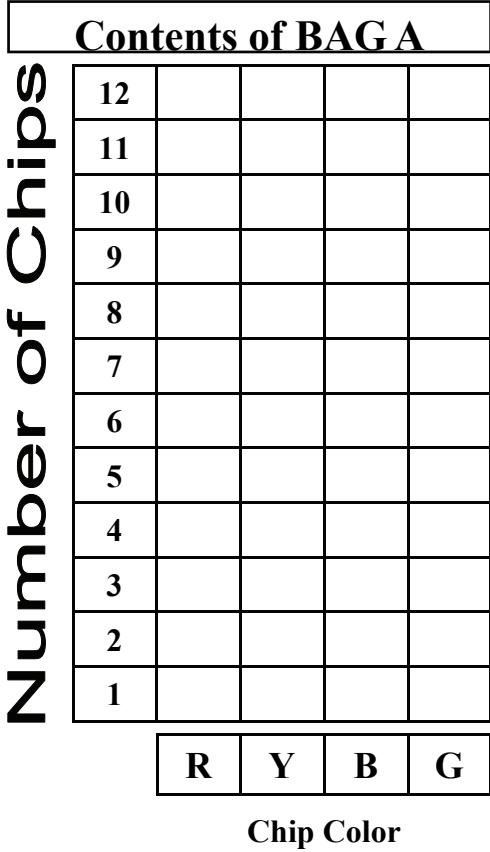
DIRECTIONS:

- Draw a chip from Bag A without looking into the bag.
- Mark the color of the chip on the tally chart for Bag A.
- Put the chip back into the bag.
- Draw another chip and mark the color.
- You should draw 6 chips from Bag A.
- Close the bag and repeat these steps for the next bag.
- When you have finished each bag, figure out which label belongs to each bag. Use a paper clip to attach the label to the bag.
- Be ready to explain why you think the label belongs to the bag.

DIRECTIONS: Graph the colors in each bag.



MYSTERY BAG



DIRECTIONS: Record class group results.



MYSTERY BAG

Contents of BAG A				
Group Results	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	total			

R	Y	B	G
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Chip Color

Contents of BAG B				
Group Results	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	total			

R	Y	B	G
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Chip Color

Contents of BAG C				
Group Results	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	total			

R	Y	B	G
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Chip Color

Contents of BAG D				
Group Results	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
	9			
	10			
	total			

R	Y	B	G
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Chip Color