



Mystery bag: Student worksheet

<http://topdrawer.aamt.edu.au/Statistics/Good-teaching/Data-collection/Samples-and-populations/Mystery-bag>

Directions

1. Draw a chip from Bag A without looking into the bag.
2. Mark the colour of the chip on the tally chart for Bag A.
3. Put the chip back into the bag.
4. Draw another chip and mark the colour.
5. You should draw 6 chips from Bag A.
6. Close the bag and repeat these steps for the next bag.
7. When you have finished each bag, figure out which label belongs to each bag. Use a paperclip to attach the label to the bag.



Bag A Matches Card # ...			Bag B Matches Card # ...		
Colour	Tally	Total	Colour	Tally	Total
Red			Red		
Yellow			Yellow		
Blue			Blue		
Green			Green		

Bag C Matches Card # ...			Bag D Matches Card # ...		
Colour	Tally	Total	Colour	Tally	Total
Red			Red		
Yellow			Yellow		
Blue			Blue		
Green			Green		

(see next page)

Directions

Graph the colours in each bag.

Contents of Bag A					
Number of chips	12				
	11				
	10				
	9				
	8				
	7				
	6				
	5				
	4				
	3				
	2				
	1				
		R	Y	B	G
Chip Colour					

Contents of Bag B					
Number of chips	12				
	11				
	10				
	9				
	8				
	7				
	6				
	5				
	4				
	3				
	2				
	1				
		R	Y	B	G
Chip Colour					

Contents of Bag C					
Number of chips	12				
	11				
	10				
	9				
	8				
	7				
	6				
	5				
	4				
	3				
	2				
	1				
		R	Y	B	G
Chip Colour					

Contents of Bag D					
Number of chips	12				
	11				
	10				
	9				
	8				
	7				
	6				
	5				
	4				
	3				
	2				
	1				
		R	Y	B	G
Chip Colour					