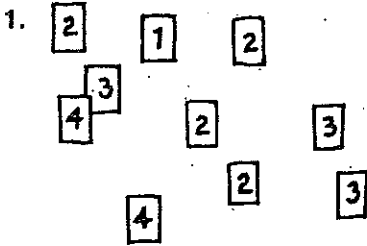


## Enrichment Worksheet for 390–391

Imagine thoroughly shuffling each deck of cards and then picking a card. Give each probability in lowest terms.



a.  $P(1) = \underline{\hspace{2cm}}$

b.  $P(2) = \underline{\hspace{2cm}}$

c.  $P(3) = \underline{\hspace{2cm}}$

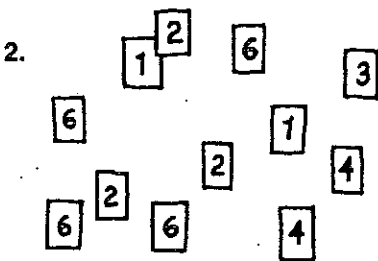
d.  $P(4) = \underline{\hspace{2cm}}$

e.  $P(\text{not } 4) = \underline{\hspace{2cm}}$

f.  $P(\text{not } 1) = \underline{\hspace{2cm}}$

g.  $P(\text{not } 3) = \underline{\hspace{2cm}}$

h.  $P(\text{not } 2) = \underline{\hspace{2cm}}$



a.  $P(1) = \underline{\hspace{2cm}}$

b.  $P(2) = \underline{\hspace{2cm}}$

c.  $P(3) = \underline{\hspace{2cm}}$

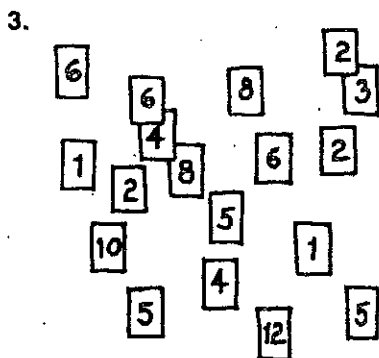
d.  $P(5) = \underline{\hspace{2cm}}$

e.  $P(\text{not } 4) = \underline{\hspace{2cm}}$

f.  $P(\text{not } 5) = \underline{\hspace{2cm}}$

g.  $P(\text{prime number}) = \underline{\hspace{2cm}}$

h.  $P(\text{composite number}) = \underline{\hspace{2cm}}$



a.  $P(6) = \underline{\hspace{2cm}}$

b.  $P(9) = \underline{\hspace{2cm}}$

c.  $P(\text{not } 1) = \underline{\hspace{2cm}}$

d.  $P(\text{not } 7) = \underline{\hspace{2cm}}$

e.  $P(8) = \underline{\hspace{2cm}}$

f.  $P(\text{not } 8) = \underline{\hspace{2cm}}$

g.  $P(\text{prime number}) = \underline{\hspace{2cm}}$

h.  $P(\text{composite number}) = \underline{\hspace{2cm}}$

i.  $P(\text{not a prime}) = \underline{\hspace{2cm}}$

j.  $P(\text{not a composite}) = \underline{\hspace{2cm}}$

k.  $P(\text{multiple of } 2) = \underline{\hspace{2cm}}$

l.  $P(\text{multiple of } 5) = \underline{\hspace{2cm}}$

m.  $P(\text{factor of } 12) = \underline{\hspace{2cm}}$

n.  $P(\text{factor of } 20) = \underline{\hspace{2cm}}$

o.  $P(\text{not a factor of } 8) = \underline{\hspace{2cm}}$

p.  $P(\text{not a multiple of } 4) = \underline{\hspace{2cm}}$

Name \_\_\_\_\_

# Enrichment Worksheet for 394 – 395

How many white beads are in the bag?

White beads in sample	$\frac{3}{8} = \frac{n}{600}$	Predicted number of white beads
Sample beads		Beads in the bag



Use the sample to predict how many white beads are in each bag.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. Use your class as a sample to predict how many people out of 10,000 are left-handed.