

Name _____

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$300 + 80 + 15 =$

$500 + 30 + 14 =$

$900 + 70 + 11 =$

$400 + 120 + 8 =$

$600 + 140 + 9 =$

$500 + 120 =$

$100 + 160 + 11 =$

$200 + 130 + 14 =$

$500 + 170 + 10 =$

$600 + \square + 13 = 653$

$300 + \square + 18 = 378$

$400 + \square + 16 = 516$

$200 + \square + 14 = 334$

$600 + 50 + \square = 668$

$200 + 70 + \square = 289$

$400 + 60 + \square = 470$

$$\begin{array}{r} 800 \\ 80 \\ + 13 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ 60 \\ + 14 \\ \hline \end{array}$$

$$\begin{array}{r} 700 \\ 50 \\ + 17 \\ \hline \end{array}$$

$$\begin{array}{r} 600 \\ 140 \\ + 18 \\ \hline \end{array}$$

$$\begin{array}{r} 400 \\ 130 \\ + 13 \\ \hline \end{array}$$

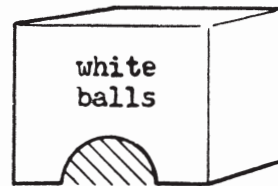
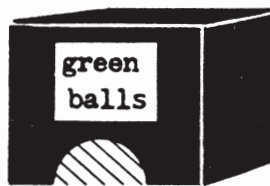
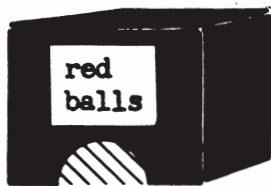
$$\begin{array}{r} 300 \\ 40 \\ + \\ \hline 358 \end{array}$$

$$\begin{array}{r} 800 \\ 130 \\ + \\ \hline 945 \end{array}$$

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	hundreds	tens	units	
S				<u>Color:</u> h t u 2 7 0 <u>Add:</u> 200 70 + 0
T				<u>Color:</u> h t u 1 7 0 <u>Add:</u>
U				<u>Color:</u> h t u 2 6 0 <u>Add:</u>
V				<u>Color:</u> h t u 1 6 0 <u>Add:</u>

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3 balls			Draw the red balls.	Draw the green balls.	Draw the white balls.
red	green	white			
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$	○	○	○
of them	of them	of them			
6 balls			Draw the red balls.	Draw the green balls.	Draw the white balls.
red	green	white			
$\frac{1}{3}$	$\frac{1}{3}$	$\frac{1}{3}$			
of them	of them	of them			
8 balls			Draw the red balls.	Draw the green balls.	Draw the white balls.
red	green	white			
$\frac{1}{2}$	$\frac{1}{4}$	the rest			
of them	of them	of them			
4 balls			Draw the red balls.	Draw the green balls.	Draw the white balls.
red	green	white			
$\frac{1}{4}$	$\frac{1}{4}$	the rest			
of them	of them	of them			
9 balls			Draw the red balls.	Draw the green balls.	Draw the white balls.
red	green	white			
$\frac{2}{9}$	$\frac{1}{3}$	the rest			
of them	of them	of them			

Now look at all the balls. How many are there?

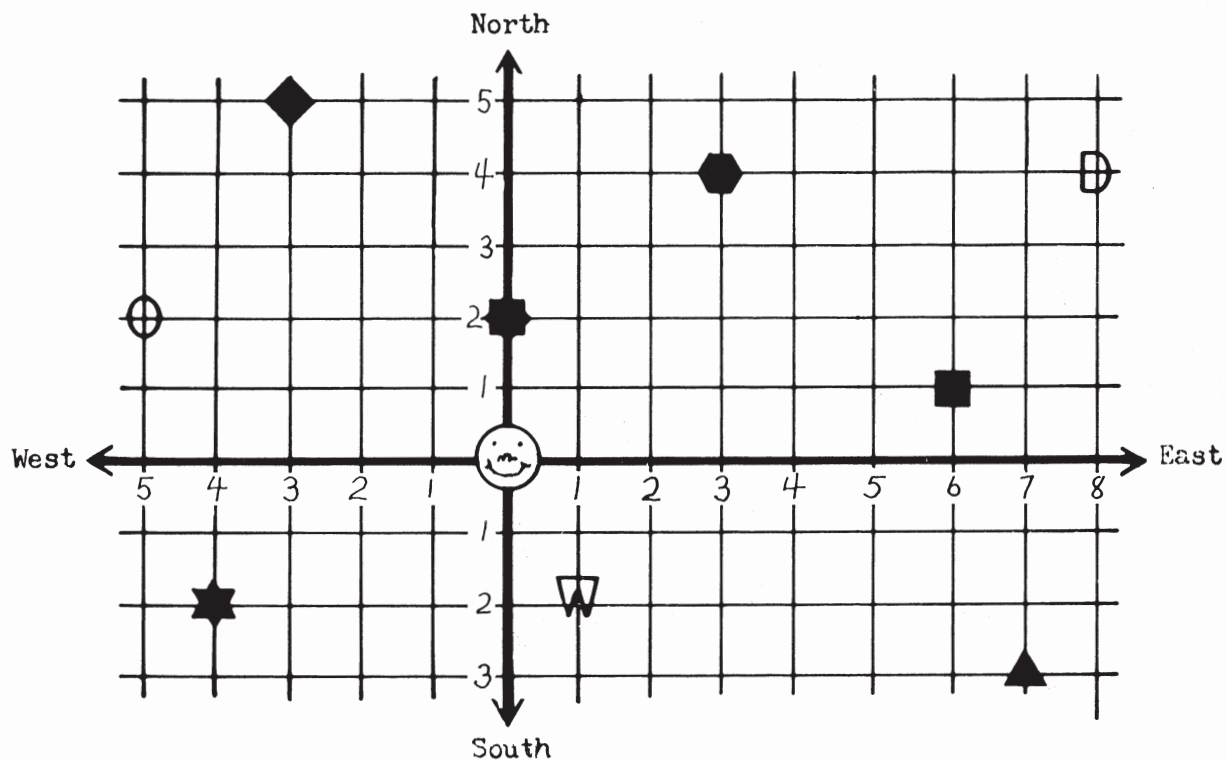
 are red, are green, are white.

$\frac{1}{3}$ of all the balls are

red
white
green

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	East	West	North	South
Hexagon	3	—	4	—
Square	—	—	—	—
Triangle	—	—	—	—
Diamond	—	—	—	—
W	—	—	—	—

	E	W	N	S
O	—	—	—	—
Star	—	—	—	—
D	—	—	—	—
Star with cross	0	0	2	—
Smiley face	—	—	—	—

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Arrow Problems

Finish this chart. Then use it to solve the arrow problems below.

1	3	6	10	15				
2	5	9	14	20				
4	8	13	19	26				
7	12	18	25	33				
11	17	24	32	41				

** - means
extra tricky

$$1 \rightarrow \rightarrow = \text{Hexagon}$$

$$5 \downarrow = \text{Hexagon}$$

$$7 \rightarrow \rightarrow \uparrow = \text{Hexagon}$$

$$25 \downarrow \leftarrow \leftarrow = \text{Hexagon}$$

$$32 \downarrow \rightarrow \rightarrow \uparrow \uparrow = \text{Hexagon}$$

$$11 \downarrow = \text{Hexagon}$$

$$9 \downarrow \downarrow \downarrow \downarrow = \text{Hexagon}$$

$$20 \uparrow \rightarrow = \text{Hexagon}$$

$$1 \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow = \text{Hexagon}$$

$$33 \rightarrow = \text{Hexagon}$$

$$1 \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \rightarrow \downarrow = \text{Hexagon}$$

$$41 \downarrow \rightarrow = \text{Hexagon}$$

$$**34 \downarrow \downarrow = \text{Thick Hexagon}$$

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Finish filling
in this grid.

Then solve these
arrow problems.

3	0	1	2	3	
0		2	3	0	1
1	2	3	0		2
2	3			2	3
3	0	1	2	3	0
	1	2		0	1
		3	0		
			1		3

1 → 

2 → 

3 → 

0 → 

2 → → → → 

3 → → → → 

1 ↓ ↓ ↓ ↓ 

 ↓ ↓ ↓ ↓ 3

 ↑ ↑ ↑ ↑ 0

2 → ↓ → ↓ 

1 → ↓ ↓ ↓ 

2 → ↑ 

0 → ↑ → ↑ → ↑ 

1 ← ↓ ← ↓ 

3 ← ← ← ↓ ↓ ↓ 

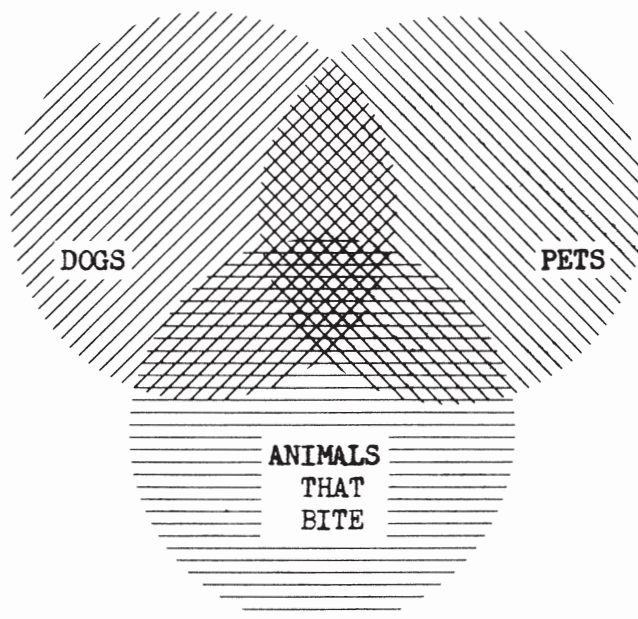
0 ↑ ↑ ↑ ↑ → → → → 

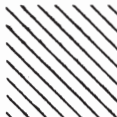
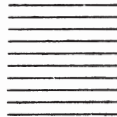
2 ↑ ← 

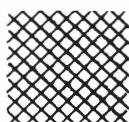
2 ↑ ↑ ← ← 

2 ↑ ↑ ↑ ← ← ← 

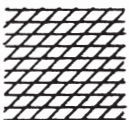
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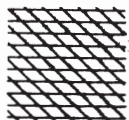
	stands for the set of all DOGS.		stands for the set of all PETS.		stands for the set of all ANIMALS THAT BITE.
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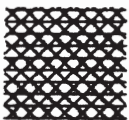
stands for the set of _____



stands for the set of _____



stands for the set of _____



stands for the set of _____