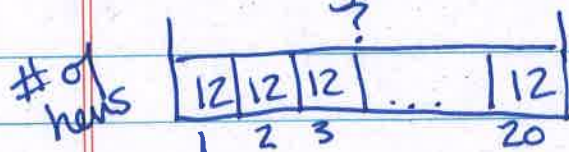
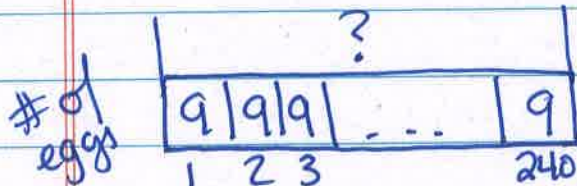


Farmer Jim has 240 hens in all.

On Monday, Farmer Jim will collect 2,160 eggs.



$$12 \times 20 = ?$$



$$\begin{array}{r} 12 \\ \times 20 \\ \hline 00 \\ 240 \\ \hline 240 \end{array}$$

$$\begin{array}{r} 240 \times 9 = ? \\ 3 \\ 240 \\ \times 9 \\ \hline 2160 \end{array}$$

mILI: Place Value w/ Base 10 Units

1 million $\div 10 = 1$ hundred thousand

1 hundred thousand $\div 10 = 1$ ten thousand

1 ten thousand $\div 10 = 1$ thousand

1 thousand $\div 10 = 1$ hundred

1 hundred $\div 10 = 1$ ten

1 ten $\div 10 = 1$ one

1,000,000	100,000	10,000	1,000	100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
• $\div 10 \rightarrow$.			
	• $\div 10 \rightarrow$.			
		• $\div 10 \rightarrow$.			
						0	.	4		
						4	.	0		
						0	.	4		
					4	0	.			
						0	.	4		
				4	0	0	.			

millions through thousandths place value chart



1,000,000	100,000	10,000	1,000	100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
						0	.	8		
						8	.	0		
					8	0	.	0		
			8	0	0		.			
						2	.	4	3	
					2	4	.	3		
						2	.	4	3	
				2	4	3	.			
						2	.	4	3	
			2	4	3	0	.			

millions through thousandths place value chart



1,000,000	100,000	10,000	1,000	100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	Tenths	Hundredths	Thousandths
				7	4	5	.			
					7	4	.	5		
				7	4	5	.			
						7	.	4	5	
				7	4	5				
						0	.	7	4	5

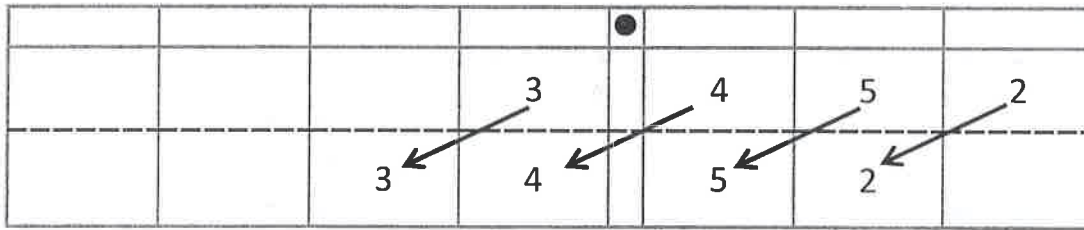
millions through thousandths place value chart

Name _____

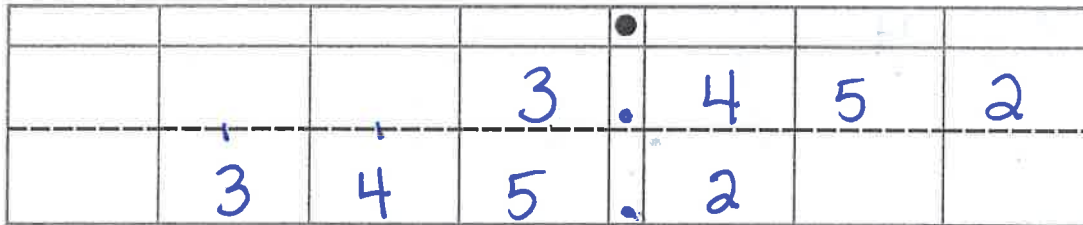
Date _____

1. Use the place value chart and arrows to show how the value of the each digit changes. The first one has been done for you.

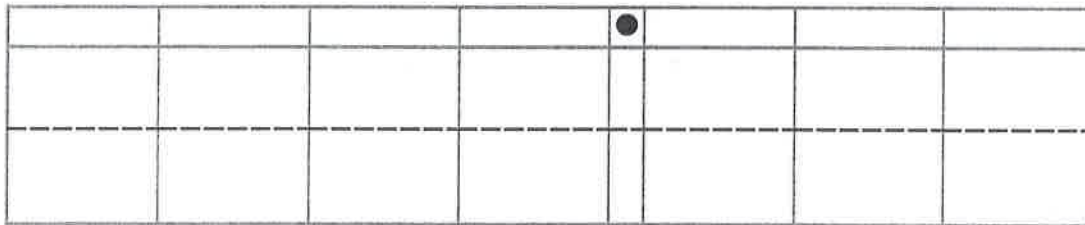
a. $3.452 \times 10 = \underline{34.52}$



b. $3.452 \times 100 = \underline{345.2}$



c. $3.452 \times 1,000 = \underline{\hspace{2cm}}$



- d. Explain how and why the value of the 5 changed in (a), (b), and (c).