Example-

1. What is the interest on \$350 for 60 days at 6%?

EXPLANATION-6% interest on any sum for 60 days is 1%, or SOLUTION-1 hundredth of it. (Rule 4.) 1% of any number is obtained by \$350 pointed off as pointing off two decimal places from the right of the number. hundredths = \$3.50. $$3.50 - \frac{1}{73}$ of $3.50 = 3.45 Answer.

2. What is the interest on \$1500 for 93 days at 6%?

SOLUTION-

\$15|00 =Interest for 60 days. 7 50 = Interest for 30 days. 75 = Interest for 3 days.

EXPLANATION-Interest for 30 days is 1 that for 60 and for 3 days is to that for 30 days. By uniting the partial interest products the entire interest is obtained.

\$23 25 = Interest for 93 days.

\$23.25 - $\frac{1}{73}$ of \$23.25 = \$22.93 Answer.

3. What is the interest on \$450.75 for 1 year 111 days at 6%? Solution-

1 year 111 day \$4.5075 = Int	ys = 47 terest f	76 day: or 60		Shorter Process. \$4.508	
\$31 5525 =	11	420	"	(60 × 7)	\$31.556
225375 =	**	30	44	$(60 \div 2)$	2.254
1 126875 =	46	15	46	$(30 \div 2)$	- 1.127
75125 =	6.6	10	**	$(30 \div 3)$.751
075125 =	**	1	**	$(10 \div 10)$	
\$ 35 759500 =	41	476	days.		\$35.763

\$35.763 - 7^{1} 3 of \$35.763 = \$35.27 Answer.

Note-1. For business purposes it is sufficiently exact to carry the work to mills, as in the shorter process.

2. In this process when the decimal in the fourth places is less than 5 it is rejected; when 5 or greater than 5, the figure in the third decimal place is increased by one, and

the decimals to the right of the third decimal place are rejected.

To find the interest at any other rate than 6% by this method, first find the interest at 6%, and then increase or diminish the result by as many sixths as the given rate is units greater or less than 6%. Thus, for 7% add & for 8% add & or & for 4% subtract or 1, etc.

4. What is the interest on \$250 for 105 days at 7½%?

Solution-

\$2|50 = 60 days.1|25 = 30 days.

625 = 15 days.

4375 = 105 days at 6% $1094 = 105 \text{ days at } 1\frac{1}{2}\%$

 $5\,469 = 105$ days at $7\frac{1}{2}$ %

Explanation-105 days are equal to 60 days plus 30 days plus 15 days. The interest on \$250 for 60 days is \$2.50, divided by 2 is \$1.25, the interest for : 0 days, which amount divided by 2 gives \$.625, the interest for 15 days. The entire interest at 6% increased by 1 of itself is the interest at $7\frac{1}{2}$ %.

 $$5.469 - \frac{1}{2}$ of $5.469 = 5.39 Answer.

Series 203

By Siv Der Cent Method Find the Interest on :

	DV.	DIY Let Actif morne							
1		92 days at 6%	11.	\$1200	for	123	days	at	6%
1.	\$500 for	36 days at 6½%	12.	\$960	for	146	days	at	5%
2.		25 days at 5½%	13.	\$320	for	95	days	at	7%
3.		116 days at 4%		\$480	for	292	days	at	8%
4.		314 days at 3%	15.	\$560	for	165	days	at	9%
5.				\$940	for	73	days	at	41%
6.	\$125 101	124 days at 7%	17.	\$120	for	90	days	at	6%
7.	\$3200 for	120 days at 6%	18	\$340	for	83	days	at	7%
8.	\$1260 for	142 days at 7%	19	\$160	for	75	days	at	8%
		314 days at 4%		\$320					