Problems in Interest.

1. At *one* per cent, how much will $200 gain in 6 months? At what rate would it gain $20? $40? $35?

2. The interest of $340 at *one* per cent for 1 yr. 6 mo. is how much? At what rate will it be on interest to gain $20.40? $30.60? $15.30?

3. The interest of $680 for 2 yr. 3 mo. at *one* per cent is what? At what rate will it be if the interest is $61.20? if the interest is $104.75?

4. At what rate per cent must $450 be on interest 3 months to gain $6.75? to gain $5.62½? to gain $4?

5. If the annual income on an investment of $1800 is $81, what is the rate per cent? If the income should be increased $20 a year, what would be the rate of interest?

Find the rate:

	Principal.	Interest.	Time.
6.	$480.00	$9.60	6 mo.
7.	$750.00	$25.00	3 mo.
8.	$400.00	$58.00	3 yr. 6 mo.
9.	$860.20	$75.00	1 yr. 4 mo.

Find the rate:

	Principal.	Interest.	Time.
10.	$740.00	$44.40	1 yr.
11.	$820.00	$60.00	1 yr. 8 mo.
12.	$380.60	$27.40	2 yr. 1 mo.
13.	$146.50	$12.50	2 yr. 6 mo.

14. What will $400 gain at 5% in *one* year? How many years will it take to gain $60 at the same rate? to gain $100? to gain $30? to gain $5?

15. It will take $3500 *one* year at 6% to gain $ —. How many years at the same rate will it take to gain $1050?

16. In what time will it take $400 to gain $24 at 5%?

Find the time:

	Principal.	Interest.	Rate.
17.	$800.00	$50.00	5%
18.	$740.00	$24.00	4%
19.	$340.20	$32.40	6%
20.	$80.60	$1.60	4½%
21.	$1284.00	$100.00	5%
22.	$458.40	$78.30	7%

Find the time:

	Principal.	Interest.	Rate.
23.	$480.00	$7.20	4½%
24.	$1080.00	$124.60	3½%
25.	$4740.60	$50.80	5%
26.	$356.80	$134.80	8%
27.	$250.90	$5.20	6%
28.	$1740.20	$240.00	3½%