

7-7 Practice***Simple and Compound Interest*****Find the simple interest to the nearest cent.**

1. \$1300 at 6% for 7 years
2. \$250 at 8% for 9 months
3. \$725 at 3.25% for 6 months
4. \$1900 at 5.5% for 36 months
5. \$920 at 10.5% for 30 months
6. \$1100 at 13% for 54 months
7. \$550 at 5.75% for 4 years
8. \$875 at 2.3% for 3 months
9. \$22,800 at 9.3% for 33 months
10. \$54,600 at 4.25% for 42 months

Find the total amount in each account to the nearest cent if the interest is compounded annually.

11. \$450 at 5% for 3 years
12. \$580 at 11.8% for 4 years
13. \$6550 at 6.5% for 2 years
14. \$2750 at 2.75% for 3 years
15. \$1900 at 9% for 2 years
16. \$13,900 at 12.5% for 5 years
17. \$600 at 6% for 4 years
18. \$2400 at 5.3% for 5 years
19. \$64,000 at 3.25% for 3 years
20. \$312,000 at 1.99% for 4 years
21. **INSTRUMENTS** Lane borrowed \$1200 for a new drum set. She will be paying 6.5% in simple interest over the next 2 years. What is the total amount of interest she will be paying on the loan?
22. **SAVINGS** Luke puts \$4800 in a savings account. He earns \$96 each month for the next 60 months. Find the simple interest rate for his savings account.
23. **CARS** Toya has a car loan of \$8500. Over the course of the loan, she paid a total of \$5525 in interest at a rate of 13%. How many months was the car loan?

7-8 Skills Practice

Circle Graphs

Construct a circle graph for each set of data.

1.

School Night Bedtimes	
Time	Percent
8:00 P.M. – 8:59 P.M.	7
9:00 P.M. – 9:59 P.M.	50
10:00 P.M. – 10:59 P.M.	42
11:00 P.M. or later	1

2.

Number of Books Read over Summer Vacation	
Number	Percent
0	5
1	12
2	22
3	40
4	12
5 or more	9

3. **SAFETY** The circle graph at the right shows the results from a survey of 282 students ages 8–13 who were asked the question, “How often do you wear your bike helmet?” How many more students answered “Seldom or Never” than “Occasionally”?

How Often Do You Wear Your Bike Helmet?



4. **DOGS** The circle graph at the right shows the results from a survey of children of all ages about favorite breeds of dogs. Which two breeds were equally favored?

Favorite Dog Breeds

