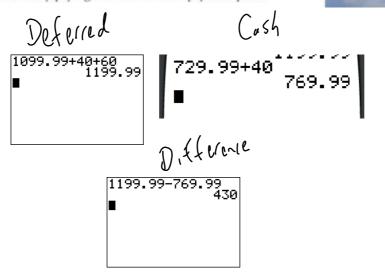
HOMEWORK??? Worksheet - Credit Cards and Store Promotions.pdf 3.3 Build Your Skills Detailed Solutions Page 124 Questions #1 - 7, 9

6. Brian wants to purchase a new refrigerator. A store offers a deferred payment plan of \$1099.99 with a delivery charge of \$40.00 and an administration charge of \$60.00, both to be paid at the time of sale. He has two years to pay for his purchase without any interest accruing. If the cash price of the fridge is \$729.99 plus the delivery charge, how much interest is he actually paying with the deferred payment plan?



- Phil received a credit card statement dated August 1, on which he owed \$505.50. He paid \$100.00 before the payment due date.
 - a) He is charged interest at a rate of 18.90% on his unpaid balance. How much interest will he pay if he takes until August 21 to pay the balance and he makes no other purchases using the credit card?
 - b) If instead Phil makes one purchase of \$160.40 on August 16 and makes no other purchases that month, how much will he owe as of August 21?

405.50+4	.41+160.
47.0	570.81

Notes - Loans.pdf

So You Wanna Borrow Some Money...BANK!!!

Ioan: money that is borrowed for a specific term, to be paid back with interest

amortization period: the time required to pay back a loan

 interest is calculated from the start date to the end date line of credit: an approved loan amount that you can draw on as needed, with interest charged on the money used - has a credit limit. overdraft protection: an agreement with a bank that allows you to withdraw more money from an account than you have in it, up to a specified amount

- if you go over the overdraft, the bank will charge a non-sufficient funds fee (\$20 - \$50).

*** Many times the interest rate is based upon the Bank of Canada's "Prime" rate, which changes periodically.

So You Want Some Quick Cash...Payday Loan???

payday loan: a small, short-term loan with a high interest rate intended to cover the borrower's expenses until their next pay day - interest is calculated daily .	Example 1I = POtA payday loan store charged Matt \$40.00 interest on a \$350.00 loan.back the total amount of \$390.00 after 10 daysa) What was the daily interest rate for this loan?b) What was the annual interest rate for this loan?(= 1000000000000000000000000000000000000	Hatt paid
Calculate part b) first, then calculate part b) Calculate the annual interest rate fi formula, where <i>t</i> is given in years. I = Prt $$40.00 = $350.00 \times r \times$ \$40.00 = 9.58904r $$40.00 \div 9.58904 = r$ $4.17101 \approx r$ Convert the interest rate from a dec $r = 4.17101 \times 100$ $r \approx 417.1$ The annual interest rate is 417.1%.	irst using the simple interest rate by 365. (10 + 365) $r = 417.1 + 365$ r = 1.14 The daily interest rate is 1.14%. 40 - (350 + 10 - 365)	nual interest

DISCUSS THE IDEAS

PERSONAL LOANS

A loan can be secured or unsecured. A secured loan means that the borrower has promised to turn over to the lender a particular item of value, such as a car or property, if they **default**, or fail to repay, the principal and interest on the loan. The item of value is **collateral**. An unsecured loan is a loan for which the lender considers you a low risk, so there is no need for collateral.

The interest rate on secured loans is usually lower than the interest rate on unsecured loans.

- 1. Suggest reasons why the interest rate would be lower on a secured loan.
- 2. Do you think the amount of money a financial institution would lend someone would change depending on what was being used to secure it? Why or why not?
- 3. What assets might people generally use as collateral to secure a loan?

SOLUTION

- 1. The interest rate on a secured loan is usually lower than the interest rate on an unsecured loan because, if you default on the loan, the lender will be compensated by claiming the collateral.
- 2. A financial institution will usually lend money based on the value of the collateral. If the collateral is a car, the value of the loan will be lower than if the collateral were a house. This is because the lender wants to be able to get back the value of the money they lent out if you default on the loan.
- 3. Some assets used as collateral include: vehicles, real estate, cash bank accounts, investments, insurance policies, and valuables such as jewellery.

default: failure to repay a loan

collateral: an item of value pledged by a borrower to secure a loan

asset: an item of economic value owned by an individual that could be converted to cash

11, D2

nterest rate (%)	IPOUNDED MONTHLY) Term in years					
	1	2	3	4	5	
3.00	84.69	42.98	29.08	22.13	17.97	
3.25	84.81	43.09	29.19	22.24	18.08	
3.50	84.92	43.20	29.30	22.36	18.19	
3.75	85.04	43.31	29.41	22.47	18.30	
4.00	85.15	43.42	29.52	22.58	18.42	
4.25	85.26	43.54	29.64	22.69	18.53	
4.50	85.38	43.65	29.75	22.80	18.64	
4.75	85.49	43.76	29.86	22.92	18.76	
5.00	85.61	43.87	29.97	23.03	18.87	
5.25	85.72	43.98	30.08	23.14	18.99	
5.50	85.84	44.10	30.20	23.26	19.10	
5.75	85.95	44.21	30.31	23.37	19.22	
6.00	86.07	44.32	30.42	23.49	19.33	
6.25	86.18	44.43	30.54	23.60	19.45	
6.50	86.30	44.55	30.65	23.71	19.57	
6.75	86.41	44.66	30.76	23.83	19.68	
7.00	86.53	44.77	30.88	23.95	19.80	
7.25	86.64	44.89	30.99	24.06	19.92	
7.50	86.76	45.00	31.11	24.18	20.04	
7.75	86.87	45.11	31.22	24.29	20.16	
8.00	86.99	45.23	31.34	24.41	20.28	
8.25	87.10	45.34	31.45	24.53	20.40	
8.50	87.22	45.46	31.57	24.65	20.52	
8.75	87.34	45.57	31.68	24.77	20.64	
9.00	87.45	45.68	31.80	24.89	20.76	
9.25	87.57	45.80	31.92	25.00	20.88	
9.50	87.68	45.91	32.03	25.12	21.00	
9.75	87.80	46.03	32.15	25.24	21.12	
10.00	87.92	46.14	32.27	25.36	21.25	
10.25	88.03	46.26	32.38	25.48	21.37	
10.50	88.15	46.38	32.50	25.60	21.49	
10.75	88.27	46.49	32.62	25.72	21.62	
11.00	00.20	13*2.	22.74	25.95	21 74	

LOANS: Monthly Payments...

Example 2

Jean-Paul borrows \$2500.00 to purchase a laptop computer and software. He takes out a personal loan from his credit union at an annual rate of 6.25% with an amortization period of 2 years. Use the personal loan payment calculater table on the next page to help you answer the questions below.

- a) What is Jean-Paul's monthly payment? 44.43×24
- b) Calculate the total amount he will pay over the 2 years.
- c) Calculate the finance charge on the loan.

SOLUTION

a) Using the personal loan payment calculator table, first look up the interest rate of 6.25% in the left-hand column, then move across that row to the column showing the monthly payments for 2 years. The payment is \$44.43 a month for a loan of \$1000.00.

To calculate the monthly payment for a loan of \$2500.00, divide the amount of the loan by \$1000.00, then multiply by \$44.43.

\$2500.00 ÷ \$1000.00 × \$44.43 ≈ \$111.08

Jean-Paul's monthly payment is approximately \$111.08.

b) He will pay \$111.08 a month for 2 years, or 24 months.

\$111.08 × 24 months = \$2665.92

Jean-Paul will pay a total of \$2665.92 over the 2 years.

c) The finance charge is the difference between the amount borrowed and the total amount to be repaid.

\$2665.92 - \$2500.00 = \$165.92

The finance charge on the loan will be \$165.92.

OL.

Words of wisdom... something to remember!!!

- Never pay off credit card debts by only paying minimum payments.
 - Always pay off the balance of your credit card each month to avoid interest.
 - Be careful to check special offers because they could cost you more money.
 - Decide whether you can wait to purchase an item in order to avoid borrowing.
 - Never take out a payday loan.

HOMEWORK...

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Worksheet - Loans.pdf 3.4 Build your Skills Detailed Solutions.pdf

Ready for the test...next Tuesday! REFLECT ON YOUR LEARNING FINANCIAL SERVICES

Now that you have finished this chapter you should be able to:

- describe banking options and discuss their advantages and disadvantages;
- □ solve simple interest problems;
- □ solve compound interest problems;
- □ use the Rule of 72 to estimate the time needed for an investment to double;
- describe different credit options, including bank and store credit cards, personal loans, lines of credit, and overdrafts;
- □ solve problems that involve credit cards;
- □ solve problems that involve loans;
- □ solve problems that involve sales promotions; and
- make informed decisions related to the use of credit.

Review Questions...

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Chapter 3 Financial Services Practice Your New Skills Solutions.pdf

• Chapter 3 Sample Test.pdf

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Notes - Loans.pdf
3.4 Build your Skills Detailed Solutions.pdf
Worksheet - Loans.pdf
Chapter 3 Financial Services Practice Your New Skills Solutions.pdf
Chapter 3 Sample Test.pdf

Review - Financial Services.pdf