

# Learning Plan 5

## Chapter 5

*(If you are familiar with Microsoft Excel, I would suggest doing the calculations for most of the problems in this Learning Plan using Excel)*

### Questions 1, 2, and 15

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Calculate the monthly service charge to a business that had an average balance of \$1886 and wrote 35 checks.

Average Balance	Maintenance Charge	Per Check Charge
<\$500	\$12.00	\$0.20
<b>\$500-\$1999</b>	<b>\$7.50</b>	<b>\$0.18</b>
\$2000-\$4999	\$5.00	\$0.10
>\$5000	\$0.00	\$0.00

### Solution

\$1886 falls into the \$500-\$1999 category.

The monthly service charge is:

$$7.50 + 0.18 \cdot 35 = \mathbf{\$13.80}$$

### Questions 3 & 4

p. 178-179

Use the following information to complete the check stub.

Date	To	For	Amount of this Check	Total from previous Stub	Deposits	Other
Mar. 8, 2014	Plumber	Septic	\$1806.57	\$6182.41	\$132; \$1458.13	\$150 cash withdrawal

  

857

Date Mar. 8, 2014  
 Amount \$ 1806.57  
 To Plumber  
 For Septic

Total	6182	41
Deposits	+ 1590	13
This Check	- 1806	57
Other (+ or -)	- 150	00
Balance	\$ 5815	97

$132 + 1458.13 = 1590.13$   
 $6182.41 + 1590.13 - 1806.57 - 150 = 5815.97$

Question 5, also similar to Question 14

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Ck No	Date	Ck Issued To	Amount of Check	Amount of Deposit	Balance
			<b>Balance Brought Forward</b>		<b>\$3398.25</b>
456	8/12	Acme	49.47		
457	8/13	USPO	19.53		
458	8/16	Ross Eng.	85.48		
	8/18	Deposit		936.83	
459	8/20	APS	22.09		
460	8/21	Bagel Shop	38.55		

Solution

The balance on 8/12 is:

$$3398.25 - 49.47 = 3348.78$$

The balance on 8/13 is:

$$3348.78 - 19.53 = 3329.25$$

The balance on 8/16 is:

$$3329.25 - 85.48 = 3243.77$$

The balance on 8/18 is:

$$3243.77 + 936.83 = 4180.60$$

The balance on 8/20 is:

$$4180.60 - 22.09 = 4158.51$$

The balance on 8/21 is:

$$4158.51 - 38.55 = 4119.96$$

Question 6

On this question just add all the sales together.

### Question 7

p. 186

Find the amount of the credit given to the business, based on the Sales/Refunds record for 09/24/12, after the 3.50% fee is subtracted.

09/24/12		
Sales		Refunds
\$52.68	\$76.98	\$89.94
\$146.46	\$448.39	\$142.84
\$74.18	\$42.01	\$34.75
\$137.21	\$266.49	
\$292.44	\$199.06	

### Solution

Find total sales:

$$52.68 + 146.46 + 74.18 + 137.21 + 292.44 + 76.98 + 448.39 + 42.01 + 266.49 + 199.06 = 1735.90$$

Find total refunds:

$$89.94 + 142.84 + 34.75 = 267.53$$

Find net sales:

$$1735.90 - 267.53 = 1468.37$$

Find bank fee:

$$0.035 \cdot 1468.37 = 51.39295$$

Find the amount of credit (Round to the nearest cent as needed):

$$1468.37 - 51.39295 = 1416.977 \approx \mathbf{1416.98}$$

### Question 8

On this question just add all the refunds together.

### Question 9

On this question just add all the sales together.

Then add all the refunds together.

Then subtract Sales – Refunds.

### Question 10

Find the amount of the bank charge on the Sales/Refunds record for 09/24/10 if the fee paid by the business is 3.75%.	09/24/10	
	Sales	Refunds
The bank charge will be \$ <u>96.32</u> . (Round to the nearest cent.)	\$76.66	\$43.01
	\$822.09	\$52.01
	\$471.04	\$720.85
	\$55.64	\$299.55
	\$61.12	\$278.86

### Solution

Find total sales:

$$76.66 + 822.09 + 471.04 + 55.64 + 61.12 + 43.01 + 52.01 + 720.85 + 299.55 + 278.86 = 2880.83$$

Find total refunds:

$$86.64 + 164.69 + 61.03 = 312.36$$

Find net sales:

$$2880.83 - 312.36 = 2568.47$$

Find bank fee:

$$0.0375 \cdot 2568.47 = 96.317625 \approx \mathbf{96.32}$$

### Question 11-12

Find the current balance for the account.		
Balance from Bank Statement	Outstanding Checks	Deposits Not Yet Recorded
\$4255.29	\$39.02	\$228.63
	\$879.48	\$768.58
	\$225.72	

*unpaid checks* (pointing to Outstanding Checks)  
*deposits in transit* (pointing to Deposits Not Yet Recorded)

Find total for Outstanding Checks:

$$39.02 + 879.48 + 225.72 = 1144.22$$

Find total for Deposits Not Yet Recorded:

$$228.63 + 768.58 = 997.21$$

Find Current Balance:

$$\begin{aligned} &\text{Balance} - \text{Checks} + \text{Deposits} \\ &4255.29 - 1144.22 + 997.21 = \mathbf{4108.28} \end{aligned}$$

### Question 13

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Find the reconciled balance in the checking account based on the information from the check register and bank statement.

The correct current balance in the account is \$ 3529.75.

$$3718.06 - 6.25 - 52 - 152 + 21.94 = 3529.75$$

Check Register:

Balance: \$3718.06

Checks Outstanding		Deposits not Recorded
Number	Amount	Amount
512	\$188.48	\$726.83
515	\$709.75	\$833.35
520	\$99.44	\$246.51
525	\$75.44	

Bank Statement:

Balance: \$2796.17

SC \$6.25 subtract service charge  
 ATMS \$52.00 subtract ATM  
 ATMS \$152.00 subtract ATM  
 ICS \$21.94 add interest credit

$$\text{or } 2796.17 - (188.48 + 709.75 + 99.44 + 75.44) + (726.83 + 833.35 + 246.51) = 3529.75$$