Section 2.1 Exercises Part C

1. Find three different places to save your money. Report the interest rates to your group, and receive their reports.

Find.

    2. $4^5=$ **3.** $87^2=$ **4.** $(2.7)^5=$

    5. $(5.38)^2$ **6.** $(1.06)^{25}$ **7.** $(1.11)^{13}$

Fill out the table.

	Mixed	Improper
8.	$5\frac{2}{5}$	
9.		$-\frac{37}{3}$

10. If I place 1 cent on the first square of a chess board, 2 cents on the second square, and keep doubling the amount on each square, how much money will be on the 20th square?

11. A product sells for $2.50 per square foot. How much is that per square yard?

12. Change 400 Pesos into Pounds. (1 Mexican Peso = $0.08, 1 British Pound = $1.50)

13. Change 50 miles per hour into feet per second. (5280 feet = 1 mile)

Change into a percent.

    14. $\frac{38}{57}$ **15.** $\frac{74}{136}$ **16.** $\frac{3}{15,000}$

Using the percentages, find out how much money was spent if the total budget was $287.

    17.   Fun – 17.3% **18.**   Insurance – 6% **19.**   Food – 84%

Find the following:

    20.   Price: $80.40
            Tax rate: 7%
            Tax:
            Final Price:

    21.   Attendees: 388
            Percent kids: 35%
            Kids:

22. For a savings account that begins with $350 and has a 5% interest rate, fill out the following table and place the entries in the "Life Plan" spreadsheet on Sheet 2:

Time	Beginning Balance	Ending Balance
1st year	350	$350 \times 1.05 = 367.50$
2nd year	367.50	
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

23. If a savings account started at $300 and earned 7% per year, how much would be in the account at the end of 22 years?

24. For a savings account that begins with $100 and has a 6% interest rate and to which you are able to add $25 per year, fill out the following table and place it on Sheet 2 of your Life Plan spreadsheet:

Time	Beginning Balance	Ending Balance
1st year	100	$100 \times 1.06 + 25 = 131$
2nd year	131	$131 \times 1.06 + 25 = 163.86$
3	163.86	$163.86 \times 1.06 + 25 =$
4		
5		
6		
7		
8		
9		
10		
11		
12		

25. If a savings account started at $200 and earned 7% per year, how much would be in the account at the end of 12 years if you are able to add $40 per year?

Assignment 2.1c

1. Complete when all reports are done.
2. 1024
3. 7569
4. 143.489
5. 28.944
6. 4.29
7. 3.88
8. $\frac{27}{5}$
9. $-12\frac{1}{3}$
10. $5,242.88
11. $22.50 per square yard
12. 21.33 pounds
13. 73.3 feet per second
14. 66.7%
15. 54.4%
16. .02%
17. $49.65
18. $17.22
19. $241.08
20. $5.63; $86.03
21. (135.8) 136 kids
22. $628.55
23. $1329.12
24. $622.97
25. $1,165.98

Assignment 2.1c