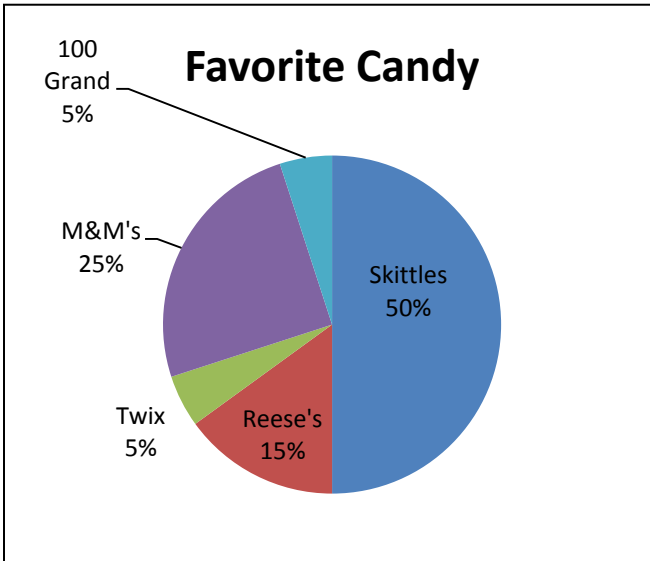


**2<sup>nd</sup> semester exam Review 2014**  
**Part 2**  
**Percents**

1. The graph represents the favorite candy of the total 32 students in Miss Levy's 7<sup>th</sup> period. Which statement is best supported by the graph?



- A More students like Reese's than M&M's and 100 Grand's combined.
- B Exactly 8 students say M&M's are their favorite candy.
- C Less than 16 students say Skittles are their favorite.
- D The difference between the number of students that say M&M's are their favorite and the number that say Reese's are the favorite is 10.

2. There are 24 students in Jake's class who have brown eyes. This represents the 75% of the students in the class. How many students are there in Jake's class?

- A 36
- B 30
- C 18
- D 32

3. There were 72 light bulbs delivered to the hardware store last week. If 12.5% of the light bulbs were delivered on Monday, how many light bulbs were delivered on Monday?

- A 24
- B 9
- C 3.5
- D 900

4. Dondra is buying a cell phone that has a regular price of \$150. The cell phone is on sale for 25% off the regular price. What is the **sale price** of the cell phone?

- A \$37.50
- B \$25.00
- C \$187.50
- D \$112.50

5. Montana earned \$50 doing chores around the house for one month. She wants to buy a new pair of shoes that cost \$48 with 8% tax. How much more will she need to buy the shoes?

- A \$86.40
- B \$3.84
- C \$51.84
- D \$1.84

6. You go to the mall and want to buy a shirt for \$14.50 and a pair of jeans for \$35. There is a 7.5% sales tax rate on clothing. If you give the sales associate \$55, how much change will you receive?

7. Jonathan wants to purchase a new flat screen TV for his Super Bowl party. He found one at Best Buy that cost \$900 but it is on sale 25% off. The sales tax will be 6%. How much will Jonathan pay for his new TV?

- A \$ 225.00                      B \$ 715.50  
C \$ 675.00                      D \$ 40.50

8. In the Stoneridge apartment complex, 25% of the apartments have two bedroom. If there are 18 two-bedroom apartments, what is the total number of apartments at Stoneridge?

- A 18                                B 4.5  
C 180                              D 72

9. The school year was 180 days. Ricky was present 95% of the days. How many days was Ricky absent?

10. Ian earned \$70 babysitting and wants to buy a skateboard with the money he earned. The price of the skateboard is \$68 and the sales tax is 8%. How much more will he need to buy the skateboard?

11. The table below shows the price of sandwiches at a local deli. Samantha orders a roast beef sandwich, and Derrick orders a chicken wrap. Tax is 6% and they want to leave a 20% tip. Use estimation to determine how much the total will be.

<b>Sandwich</b>	<b>Cost</b>
Turkey Panini	\$7.89
Roast Beef	\$7.49
Cheese Melt	\$6.29
Chicken Wrap	\$6.59

- A \$ 15                              B \$ 19  
C \$ 25                              D \$ 16

12. Fred applied a total of 80 cubic yards of mulch to four different areas in the following amounts.

- 9 cubic yards in the red-rose garden
- 18 cubic yards around the trees
- 32 cubic yards under the swing set
- 21 cubic yards in the yellow-rose garden

What percent of the mulch did Fred apply to the red-rose gardens?

- A 11.25%                      B 0.1125%                      C 9%                      D 80%

13. The local chess club has 60 members. Twenty four of those members are younger than twenty. What percent of the members are younger than 20?

- A) 40%      B) 50%      C) 60%      D) 70%

14. Sherry opened up a savings account with \$5000 on her 21<sup>st</sup> birthday. Her balance at the end of last month was \$4200. What percent of her money is still in the bank?

- A) 82%      B) 16%      C) 84 %      D) 10%

15. If sales tax is 9%, how much would your final cost be on a shirt that retails for \$14.

- A) \$1.26      B) \$1.56      C) \$15.26      D) \$15.56

16. Craig left the waitress a 20% tip. If Craig's bill was \$34.50, how much did he leave for the waitress?

- A) \$1.73      B) \$3.45      C) \$2.00      D) \$6.90

17. Mark, Paul, and Jeff went to lunch. Their total bill was \$46.89, not including sales tax. If sales tax is 7%, how can they find how much each person pays IF they split the bill evenly?

- A) Find the sales tax by dividing \$46.89 by 0.07. Add that amount \$46.89, and then divide the total by 3.
- B) Find the sales tax by multiplying \$46.89 by 0.07. Add that amount to \$46.89, and then divide the total by 3.
- C) Find the sales tax by dividing \$46.89 by 0.07. Add that amount to \$46.89, and then multiply the total by 3.
- D) Find the sales tax by multiplying \$46.89 by 0.07. Add that amount to \$46.89, and then multiply the total by 3.

18. A radio manufacturer says that out of 800 radios produced, 40 are defective. What percent of the radios are **NOT** defective?

- A) 5%      B) 95%      C) 10%      D) 90%