

Cohen Middle School  
100 Robinwood Avenue  
Elmira Heights, NY 14903  
734-5078

Name: \_\_\_\_\_ Date: January 23, 2020 \_\_\_\_\_

<b>Math:</b>	Percent Tic Tac Toe  hw: Review packet due Tues. 1/28
<b>Social Studies:</b>	- Ashoka the Buddhist Emperor  HW: Asoka
<b>ELA:</b>	Daily Warm Up ELA Review
<b>Science</b>	- Hand in Completed Project - Peer review (in class)
<b>Computer Apps/ Technology</b>	



Name: \_\_\_\_\_  
**Asoka**

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The national emblem of India is a replica of the Lion Capital of Sarnath. This symbol features four lions standing atop a circular abacus. (The fourth lion is hidden from view.) At the center of the abacus, beneath each lion, there is a Wheel of the Law. The abacus itself is girded by four smaller animals. They are guardians of the four directions -- the elephant in the east, the bull in the west, the lion in the north, and the horse in the south. This magnificent emblem has a very interesting history. It actually came into existence long before the Republic of India was born. Its original creator was a famous Indian emperor by the name of Asoka (also spelled as Ashoka). He was the third ruler of the Mauryan dynasty. As a devoted Buddhist, Asoka erected the Lion Capital of Sarnath near Varanasi (present-day Benares) to mark the spot where Buddha first proclaimed his gospels of peace and emancipation. During his reign, he went to great lengths to promote Buddhism. He sent monks to faraway places. He built several monasteries and constructed numerous *stupas* (dome-shaped structures for housing Buddhist relics). Thanks to his patronage, Buddhism was able to spread beyond India. Today, it has more than 350 million followers worldwide.



Perhaps the most intriguing aspect of Asoka and his strong devotion to Buddhism is how he came to embrace it in the first place. For that, we must start from the beginning of his life.

Asoka was born around 304 B.C. Since very early on, he had made a name for himself as being extremely talented and brave. But no matter how accomplished he was, he did not really have a chance to be the heir apparent of his father, Bindusara, because he was not the eldest son. To get what he wanted, he supposedly killed many of his half-brothers while Bindusara was lying on his deathbed. After eliminating all the competitors, he became the natural candidate for the kingship. He ascended the throne around 272 B.C. At this point in his life, Asoka was downright ruthless. His atrocities earned him a rather unpleasant nickname -- *Chandal* Asoka or the Evil Asoka.

Upon securing his power, Asoka launched a series of military campaigns. As successes kept rolling in, the territory of the Mauryan dynasty was growing fast. Throughout his reign, Asoka had full control over almost the entire Indian subcontinent. His empire even included lands in present-day Afghanistan. But just as the kingdom reached its maximum, Asoka suddenly put a stop to his grand plan of expansion. Literally overnight, this once bloodthirsty emperor had a change of heart. He no longer felt like invading other countries. He came to accept the teachings of Buddhism and chose to pursue a policy of nonviolence (*ahimsa*). His rude awakening occurred after his conquest of Kalinga around 265 B.C. He was apparently shattered by the aftermath of the conflict. Right then and there, Asoka decided to convert from Hinduism to Buddhism. He denounced not only wars, but also any form of violence. He became a vegetarian and gave up hunting completely. He re-examined the existing legal codes and made the new laws less harsh. He inscribed his edicts on sandstone pillars and had them placed

Name: \_\_\_\_\_

throughout the kingdom as a way to communicate his thoughts and actions. He built hospitals for people and animals alike. He founded several universities and commissioned the construction of roads and irrigation systems. Most importantly, he exercised great tolerance over different religions. He allowed competing faiths to co-exist in harmony. For the rest of his life, Asoka remained a devoted Buddhist. He never waged another war.

In his own words, Asoka once said, "All men are my children. I am like a father to them. As every father desires the good and the happiness of his children, I wish that all men should be happy always." This complete change in attitude would have never occurred to Asoka had he continued to be his old self. It was precisely because Asoka had changed so much in terms of his personality and behavior that he later earned another nickname -- *Dharma* Asoka, or the Pious Asoka.

Asoka died around 232 B.C.

Asoka

## Questions

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- \_\_\_\_\_ 1. Which of the following about Asoka is true?
  - A. His empire covered almost the entire Indian subcontinent.
  - B. He founded the Mauryan dynasty around 272 B.C.
  - C. He converted to Christianity after he defeated the kingdom of Kalinga.
  - D. He was Bindusara's eldest son.
  
- \_\_\_\_\_ 2. Which of the following about the Lion Capital of Sarnath is correct?
  - A. It was found near Mumbai.
  - B. Asoka erected it to mark the spot where he slew his half-brothers.
  - C. It features four lions standing directly atop a full-bloom lotus.
  - D. It is now the national emblem of the Republic of India.
  
- \_\_\_\_\_ 3. Before converting to Buddhism, what religion did Asoka follow?
  - A. Islam
  - B. Christianity
  - C. Hinduism
  - D. Taoism
  
- \_\_\_\_\_ 4. Approximately how long did Asoka reign?
  - A. 30 years
  - B. 50 years
  - C. 40 years
  - D. 60 years
  
- \_\_\_\_\_ 5. Why did Asoka convert to Buddhism?
  - A. because he was rescued by a monk
  - B. because he did not want any more violence or bloodshed
  - C. because he married a Buddhist
  - D. none of the above

Name: \_\_\_\_\_

- \_\_\_\_\_ 6. Which of the following was NOT something Asoka did to promote Buddhism?
- A. He erected the Lion Capital of Sarnath.
  - B. He built many *stupas* and monasteries.
  - C. He sent monks to other countries.
  - D. He eradicated all the neighboring kingdoms and converted them to Buddhism.
- \_\_\_\_\_ 7. Which of the following statements is correct?
- A. A *stupa* means a dome-shaped palace.
  - B. *Dharma* Asoka means the Evil Asoka.
  - C. Asoka was once nicknamed *Chandal* Asoka.
  - D. *Ahimsa* means violence.
- \_\_\_\_\_ 8. Which of the following animals can NOT be found on the Lion Capital of Sarnath?
- A. horse
  - B. lion
  - C. elephant
  - D. dragon



A percent can also be written as a \_\_\_\_\_.

**70%** = \_\_\_\_\_ =  
 (read it out loud) ↗

**16%** = \_\_\_\_\_ =

**28%** = \_\_\_\_\_ =

**62%** = \_\_\_\_\_ =

Complete the table below with the missing information.

		
<b>PERCENT:</b>	<b>85%</b>	
<b>PART :</b> <b>WHOLE</b>		$\frac{40}{100}$
<b>DECIMAL:</b>		

At Rosemont Middle School, 55% of the student body purchases their lunch at school.

4. Write that as a ratio of part to whole.

5. What percent represents the student body who brings their lunch?

6. How are both of these percents related to the whole?

Summarize today's lesson:





Play tic-tac-toe with your neighbor. X's \_\_\_\_\_ O's \_\_\_\_\_

Don't forget to read carefully and set up a percent proportion or percent bar.

$$\frac{\%}{100} = \frac{\text{PART}}{\text{WHOLE}}$$

<p>Tricia made a 56% on her science test. If she got 14 problems correct, then how many questions were on the test?</p>	<p>Donnie completed 85% of his field goal attempts last season. If he attempted 60 field goals, then how many did he make?</p>	<p>Seventy-five percent of the apple pies were sold on Tuesday, and the remainder were thrown out. If 12 apple pies were sold Tuesday, then how many were thrown out?</p>
<p>A scarf is made of 65% cotton. If the scarf weighs 18 ounces, then how much cotton is in the scarf?</p>	<p>A concert venue sells 16% of its tickets as reserved seats. An upcoming concert sells 8,000 tickets. How many tickets are reserved?</p>	<p>Out of 350 students, 315 went on the class field trip. What percent of the students did not go on the class field trip?</p>
<p>A baseball hat is on sale for 15% off, which is \$2.70. How much does the baseball hat cost at full price?</p>	<p>The school book fair has 72 non-fiction books and 328 fiction books for sale. What percent of the book fair is non-fiction books?</p>	<p>Jack is learning to save, spend, and give his money away. He has determined to give away 10% of his summer job earnings. If he gives away \$256, then how much did he earn this summer?</p>

Summarize today's lesson:



## RATES AND PERCENTS UNIT STUDY GUIDE

Solve each of the problems below. These represent the types of questions on your test. Be sure to ask questions if you need more help with a topic.

### I CAN UNDERSTAND THE CONCEPT OF A RATE.

6.RP.2

1. Four pounds of apples cost \$3.88. What is the price per pound?

2. Find the rate if a fitness instructor can do 75 pull-ups in 5 minutes.

3. Snow fell at a rate of  $\frac{3}{4}$  of an inch/hour. How much snow fell in a period of 6 hours?

### I CAN USE UNIT RATES TO SOLVE PRICING AND SPEED PROBLEMS.

6.RP.3B

4. Yvonne paid \$18.72 for 8 gallons of gas. She then passed by another gas station advertising it for \$2.29 per gallon. How much money would she have saved if she had waited and purchased it at the other location?

5. A car wash uses 50 gallons of water every 40 seconds. How much water does it use per second?

6. Protein bars come in a 4-pack box or a 12-pack box. The 4-pack costs \$7.68 and the 12-pack costs \$22.32. Which box is the better value?

7. A speedboat traveling at a constant speed arrives at its destination in 35 minutes. If it traveled 70 miles, then what was the speedboat's speed?

**I CAN USE RATE REASONING TO CONVERT MEASUREMENT UNITS.**

**6.RP.3D**

8. The 2006 Guinness Book of World Records for the heaviest man was Manuel Uribe. He weighed 1,230 pounds. How many ounces did he weigh?

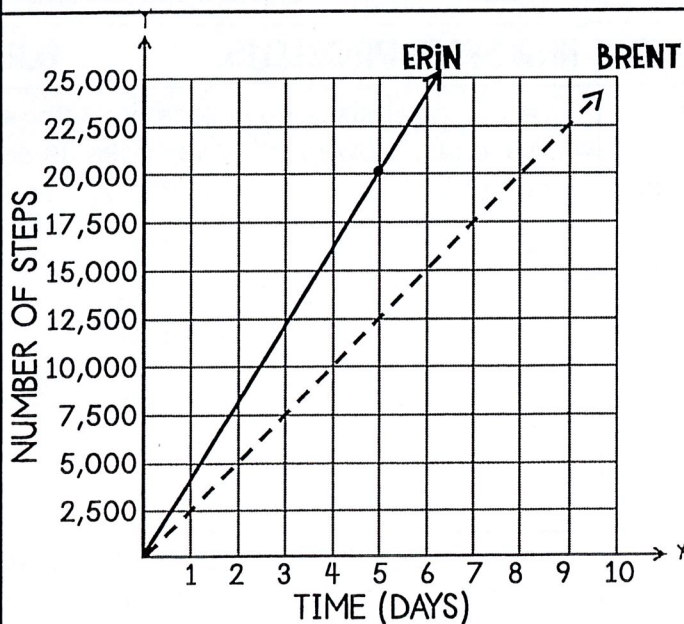
9. The tallest man living is Sultan Kosen from Turkey. He measures 251 cm. How many meters tall is he?

10. The longest snake ever in captivity was measured in 2011. The snake was found to be 25 feet, 2 inches long. How many inches long is the snake?

11. The world record for the largest cup of hot chocolate was 3,331 L at the Festival of Chocolate in 2013. How much hot chocolate is that in milliliters?

**I CAN USE RATES TO SOLVE REAL WORLD AND MATHEMATICAL PROBLEMS.**

**6.RP.3**



HOURS (H)	WAGE (W)
12	\$102.00
17	\$144.50
22	\$187.00

12. How many steps is Erin taking per day?

13. How many more steps is Erin taking than Brent per day?

14. What is the hourly wage of the employee above?

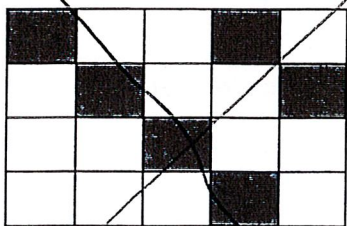
15. Write an equation to represent the hourly wage of someone who makes twice as much as the employee shown in the table.

16. Another employee's hourly wage can be represented by the equation,  $w=11.25h$ . How much does he make working 7 hours?

**I CAN FIND A PERCENT OF A QUANTITY AS A RATE PER 100.**

**6.RP.3C**

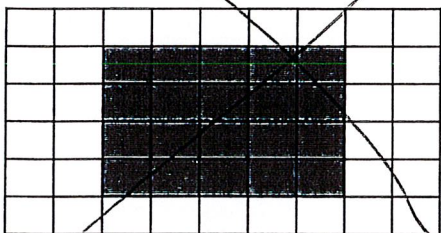
17. What percent of the squares in the model below is not shaded?



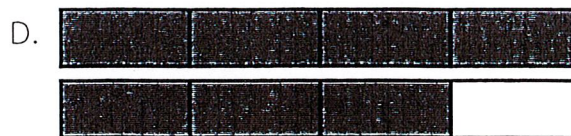
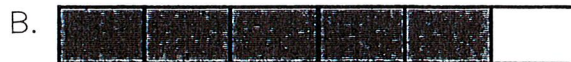
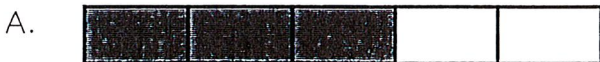
18. Complete the table below.

FRACTION	PERCENT	DECIMAL
	60%	
$\frac{3}{4}$		
		0.23
$\frac{1}{8}$		
	18%	
$\frac{2}{3}$		

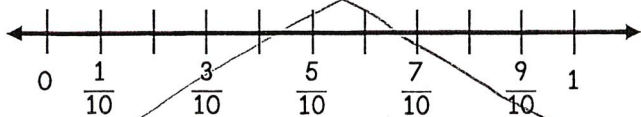
19. The diagram of a living room is shown below. What fraction of the living room is covered by the rug?



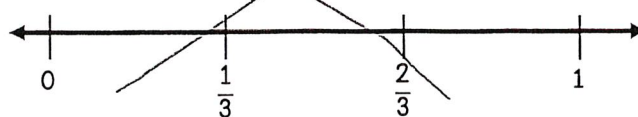
20. If the strip diagram below represents 100%, then determine the value of the other representations.



21. Complete the missing values by writing the equivalent percent.



22. Complete the missing values by writing the equivalent percent.



**I CAN SOLVE PROBLEMS INVOLVING PERCENTS.****6.RP.3C**

23. On a random Friday in the spring, 88% of students are present at school. If there are 528 students present, then how many total students are enrolled?

24. Mr. Torres tells his class of 24 that when they have completed the assignment, they may read. At the end of class, 40% of the class is reading. How many students still need to complete their assignment?

25. The Richardson family is out to dinner at their favorite restaurant. The bill comes to \$28.85. How much money should they leave for the bill and a 20% tip?

26. Neal decides to sell his concert tickets to a sold-out show. He paid \$90 for the pair but believes he can sell them for 150% of what he paid. How much does Neal think he can sell them for?

27. During rush hour, Geoffrey counted that he had to stop at 8 different red lights. He went through a total of 25 intersections. What percent of intersections did he stop at?

28. In a home run derby competition, there were 32 home runs hit out of 124 hits. Approximately what percent of hits were home runs?

**I'VE GOT IT!**

What concepts can I ace on the test?

**HELP!**

What concepts do I need to study?

## RATES AND PERCENTS UNIT STUDY GUIDE

Solve each of the problems below. These represent the types of questions on your test. Be sure to ask questions if you need more help with a topic.

### I CAN UNDERSTAND THE CONCEPT OF A RATE.

6.RP.2

1. Four pounds of apples cost \$3.88. What is the price per pound?

\$0.97/lb

2. Find the rate if a fitness instructor can do 75 pull-ups in 5 minutes.

$\frac{15 \text{ pull ups}}{1 \text{ min}}$

3. Snow fell at a rate of  $\frac{3}{4}$  of an inch/hour. How much snow fell in a period of 6 hours?

4.5 inches

### I CAN USE UNIT RATES TO SOLVE PRICING AND SPEED PROBLEMS.

6.RP.3B

4. Yvonne paid \$18.72 for 8 gallons of gas. She then passed by another gas station advertising it for \$2.29 per gallon. How much money would she have saved if she had waited and purchased it at the other location?

saved \$0.40 total

5. A car wash uses 50 gallons of water every 40 seconds. How much water does it use per second?

1.25 gal/sec

6. Protein bars come in a 4-pack box or a 12-pack box. The 4-pack costs \$7.68 and the 12-pack costs \$22.32. Which box is the better value?

12 pack

7. A speedboat traveling at a constant speed arrives at its destination in 35 minutes. If it traveled 70 miles, then what was the speedboat's speed?

2 miles per minute

**I CAN USE RATE REASONING TO CONVERT MEASUREMENT UNITS.**

**6.RP.3D**

8. The 2006 Guinness Book of World Records for the heaviest man was Manuel Uribe. He weighed 1,230 pounds. How many ounces did he weigh?

19,680 oz

9. The tallest man living is Sultan Kosen from Turkey. He measures 251 cm. How many meters tall is he?

2.51 m

10. The longest snake ever in captivity was measured in 2011. The snake was found to be 25 feet, 2 inches long. How many inches long is the snake?

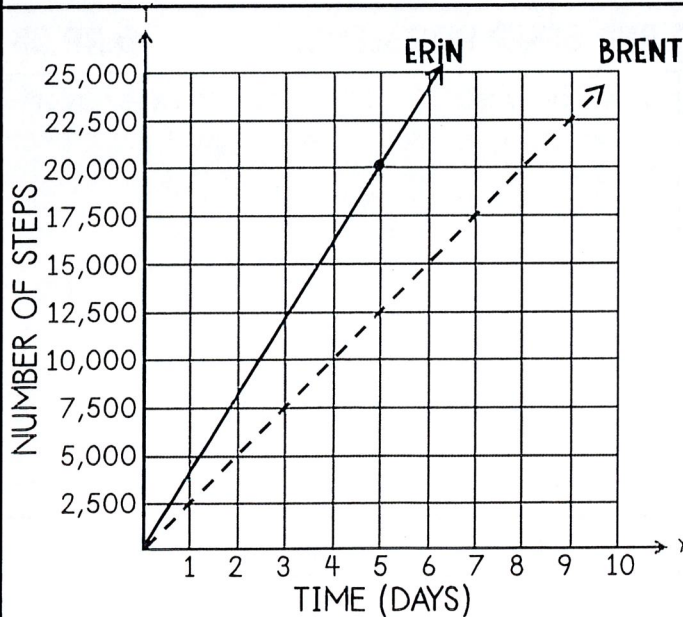
302 in

11. The world record for the largest cup of hot chocolate was 3,331 L at the Festival of Chocolate in 2013. How much hot chocolate is that in milliliters?

3,331,000 mL

**I CAN USE RATES TO SOLVE REAL WORLD AND MATHEMATICAL PROBLEMS.**

**6.RP.3**



12. How many steps is Erin taking per day?

4,000 steps/day

13. How many more steps is Erin taking than Brent per day?

1,500 more steps/day

HOURS (H)	WAGE (W)
12	\$102.00
17	\$144.50
22	\$187.00

14. What is the hourly wage of the employee above?

\$8.50/hr

15. Write an equation to represent the hourly wage of someone who makes twice as much as the employee shown in the table.

$W = 17h$

16. Another employee's hourly wage can be represented by the equation,  $w = 11.25h$ . How much does he make working 7 hours?

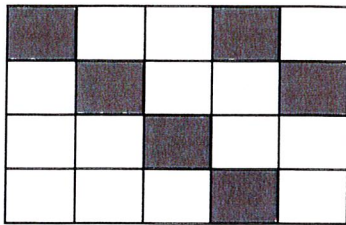
\$78.75



**I CAN FIND A PERCENT OF A QUANTITY AS A RATE PER 100.**

**6.RP.3C**

17. What percent of the squares in the model below is not shaded?

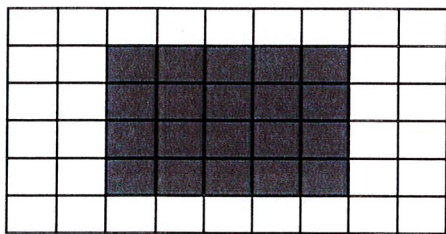


70%

18. Complete the table below.

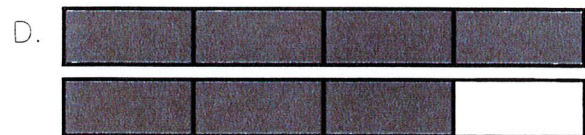
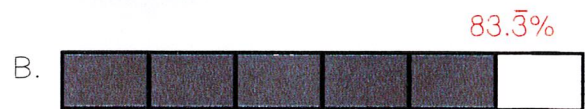
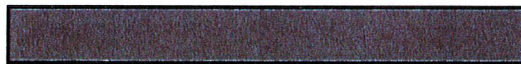
FRACTION	PERCENT	DECIMAL
$\frac{3}{5}$	60%	0.60
$\frac{3}{4}$	75%	0.75
$\frac{23}{100}$	23%	0.23
$\frac{1}{8}$	12.5%	0.125
$\frac{9}{50}$	18%	0.18
$\frac{2}{3}$	$66.\bar{6}\%$	$0.\bar{666}$

19. The diagram of a living room is shown below. What fraction of the living room is covered by the rug?

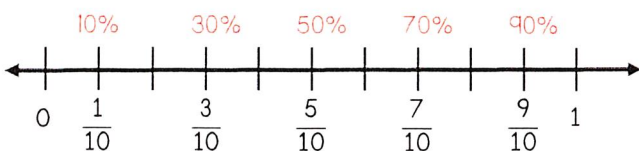


$\frac{10}{27}$

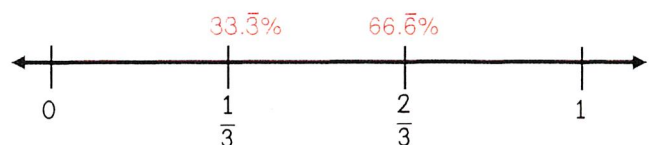
20. If the strip diagram below represents 100%, then determine the value of the other representations.



21. Complete the missing values by writing the equivalent percent.



22. Complete the missing values by writing the equivalent percent.



**i CAN SOLVE PROBLEMS INVOLVING PERCENTS.****6.RP.3C**

23. On a random Friday in the spring, 88% of students are present at school. If there are 528 students present, then how many total students are enrolled?

$$\frac{88}{100} = \frac{528}{x}$$

$$x = 600$$

24. Mr. Torres tells his class of 24 that when they have completed the assignment, they may read. At the end of class, 40% of the class is reading. How many students still need to complete their assignment?

$$\frac{40}{100} = \frac{x}{24}$$

$$x = 9.6 \text{ reading}$$

14.4 → about 14 still must complete

25. The Richardson family is out to dinner at their favorite restaurant. The bill comes to \$28.85. How much money should they leave for the bill and a 20% tip?

$$\frac{20}{100} = \frac{x}{28.85}$$

$$x = \$5.77 + 28.85$$

\$34.62 total

26. Neal decides to sell his concert tickets to a sold-out show. He paid \$90 for the pair but believes he can sell them for 150% of what he paid. How much does Neal think he can sell them for?

$$\frac{150}{100} = \frac{x}{90}$$

$$x = \$135$$

27. During rush hour, Geoffrey counted that he had to stop at 8 different red lights. He went through a total of 25 intersections. What percent of intersections did he stop at?

$$\frac{x}{100} = \frac{8}{25}$$

$$x = 32\%$$

28. In a home run derby competition, there were 32 home runs hit out of 124 hits. Approximately what percent of hits were home runs?

$$\frac{x}{100} = \frac{32}{124}$$

$$x = 26\%$$

**i'VE GOT it!**

What concepts can I ace on the test?

**HELP!**

What concepts do I need to study?



# Peer Review:

**Objective:** Think positively! Today, I get to share my project with my peers so that, together, we can celebrate our hard work and the interesting things we discovered throughout our *Severe Weather Disasters Research*. I agree to exchange ideas respectfully (look, listen, ask, clarify) so that we have the opportunity to learn from our work.

## 1. **CELEBRATE SUCCESSES**

Hop on the trolley with your Triorama. Show. Listen. Share.

## 2. INTERESTING DISCOVERIES + DISPLAYS:

**What evidence of damage do you see?**

- downed power lines
- dark skies
- fronts
- objects flipped \_\_\_\_\_
- snow
- ice
- property damage
- cloud cover (adjectives):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Compliments and Suggestions:**

