Teacher(s): **Mrs. Breazeale** & **Ms. DeBlanc**
Subject/Grade: 7th /Grade Math
Week of April 8, 2024
Domain: NS, RP, EE, G, & SP
Lesson Plan Title: Probability

MATHEMATICS - Mississippi College and Career Readiness Standards for 7th Grade

7.RP.3 Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.

7.EE.3 Write an expression from a real world context possibly involving sales tax, tip, discount, gratuity, markup, selling price, perimeter, area, and angle measures of a triangle. • Evaluate an expression given a value for the variable. • Translate a verbal expression into an algebraic expression. • Use manipulatives such as algebra tiles to factor expressions.

7.SP.3 Informally assess the degree of visual overlap of two numerical data distributions with similar variabilities, measuring the difference between the centers by expressing it as a multiple of a measure of variability. For example, the mean height of players on the basketball team is 10 cm greater than the mean height of players on the soccer team, about twice the variability on either team; on a dot plot, the separation between the two distributions of heights is noticeable.

ESSENTIAL QUESTION: What math vocabulary, skills, and strategies can I learn between now and April 23, 2024 in order to score Advanced or Proficient on the MAAP state test?

Date	Focus Question(s)	Objective	I will...
4/8 M	1) Why do I need to know how to solve percent problems? **(RP.3)** 2) What grade do I need to make this 9 weeks to pass my classes?	*TSTBAT* enter their final math scores from the 1st, 2nd, and 3rd 9 weeks into a given inequality and solve for g to determine the minimum score they must earn for the 4th 9 weeks to pass their classes.	▽Solve real-world problems involving simple interest, tips, percent change, and discounts. **(RP.3)** ▽Set up , solve, and graph an inequality that displays the minimum score needed to pass their classes.. **(SP.3)**
4/9 T	**1)** How do I find the percent when given the part and whole? **2)**How do I use percents to compare ratios? **3)**How do I find the part when given the whole and percent **4)**How do I express fractions and decimals as percents?	*TSTBAT* complete two iReady lessons: Understand Percent Concepts & Find Percent of a Number notes on key vocabulary and recording examples.	▽Find the percent when given the part and whole. ▽Use percents to compare ratios ▽Find the part when given the whole and percent. ▽Understand percent of a quantity as a rate per 100. ▽Express fractions and decimals as percents.
4/10 W	How will I analyze and correct a graded assessment to fine-tune my mathematical skills?	TSWBAT use the UNRAVEL strategy to solve assessment real-world problems in order to clear up any misconceptions.	-Use the UNRAVEL strategy to solve challenging problems. -Rework the most missed problems. -Develop an understanding of why mistakes were made on the MPT 4.1
4/11 R	How will I use proportional relationships to solve multistep ratio and percent problems that include simple interest, tax, markups & markdowns, gratuities & commissions, fees, percent increase and decrease, percent error?	*TSTBAT* solve a variety of real world percent problems by using a variety of strategies that include but are not limited to arithmetic, equations, formulas,proportional relationships.	▽Change percents to decimals and fractions to percents. ▽Translate real-world problems into solvable equations. ▽Memorize and use the simple interest & percent change formulas to solve real-world problems. ▽Use cross products to set up equations to calculate unknown percentages. ▽Set up proportional relationships to solve problems involving percents.
4/12 F	TBA	TBA	TBA

Front

Edulastic

7.RP.3 Bell Ringer

Created By Alice Breazeale

1 Find the percent change to the nearest whole percent.

From 45 feet to 95 feet.

(A) 53% decrease

(B) 53% increase

(C) 111% decrease

(D) 111% increase

2 A store purchased a DVD for $12.00 and sold it to a customer for 50% more than the purchase price. The customer was charged a 7% tax when the DVD was sold. What was the customer's total cost for the DVD?

(A) $12.84

(B) $18.42

(C) $18.84

(D) $19.26

3 Bonnie deposits $70.00 into a new savings account.

• The account earns 4.5% simple interest per year.
• No money is added or removed from the savings account for 3 years.

What is the total amount of money in her savings account at the end of the 3 years?

(A) $9.45

(B) $79.45

(C) $94.50

(D) $164.50

Back

Edulastic

7.RP.3 Bell Ringer

Created By Alice Breazeale

1 Ava ordered a set of brown and purple pins.

She received 80 pins, and 80 % of them were brown.

How many brown pins did Ava receive?

(A) 64 pins

(B) 16 pins

(C) 10 pins

(D) 8 pins

2 Octavio is a salesman at a car dealership and receives a 6% commission for each car he sales. What is the price of the car if the commission he earned on selling it was $900?

(A) $15,000

(B) $54

(C) $954

3 John is planning for retirement and wants to have an interest income of $3000 a year.

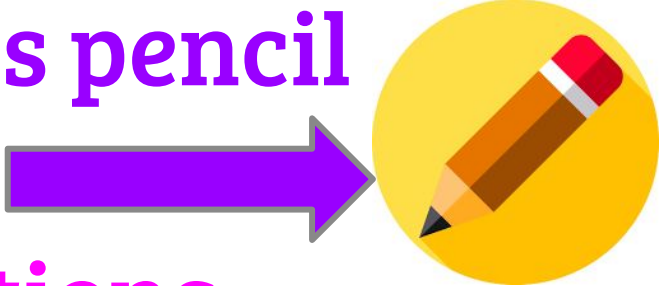How much must he invest for one year at 8% interest?

Answer:

a
- $37,800
- $37,500
- $35,000

Additional Rules

1) **When I write, you write.**
2) **When I'm talking, your not.**
3) **When you see this pencil icon, take notes.**
4) **Always ask questions. (Raise your hand.)**
5) **Be ready to answer questions.**

R
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W

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From 45 feet to 95 feet.

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Percent Change

$$\text{Percent Change} = \frac{\text{New Value} - \text{Old Value}}{\text{Old Value}} \times 100\%$$

If the result is positive, it is an increase.
If the result is negative, it is a decrease.

Front

2 A store purchased a DVD for $12.00 and sold it to a customer for 50% more than the purchase price. The customer was charged a 7% tax when the DVD was sold. What was the customer's total cost for the DVD?

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Simple Interest = P × r × t

• P → Principal
• r → Interest Rate
• t → Time in Years

1 Ava ordered a set of brown and purple pins.

She received 80 pins, and 80 % of them were brown.

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Back

2 Octavio is a salesman at a car dealership and receives a 6% commission for each car he sales. What is the price of the car if the commission he earned on selling it was $900?

A $15,000

B $54

C $954

A **commission** is the amount of money paid to an employee for selling something

Back

3 John is planning for retirement and wants to have an interest income of $3000 a year.

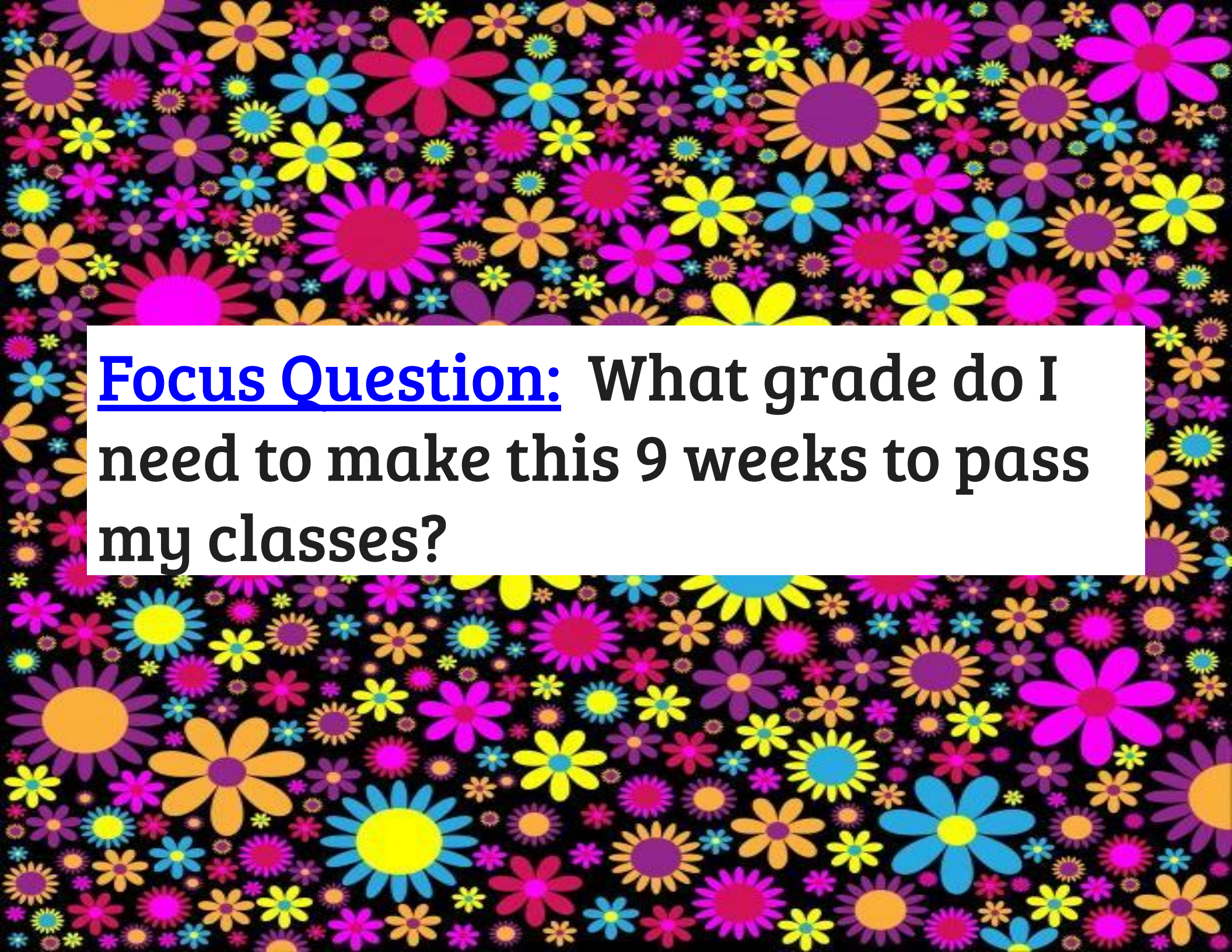How much must he invest for one year at 8% interest?

Answer:

Simple Interest = P × r × t

a
- ○ $37,800
- ○ $37,500
- ○ $35,000

- P → Principal
- r → Interest Rate
- t → Time in Years

Back

Focus Question: What grade do I need to make this 9 weeks to pass my classes?

Directions: Calculate the score you need to pass math class.

$$\frac{Q1 + Q2 + Q3 + g}{4} \geq 65$$

EARLY FINISHERS: Calculate the score you need to pass your other classes.

COURSE	TEACHER	Q1	Q2	S1	Q3	Q4	S2	Y1	Cr
SCIENCE 7	WHITTEMORE, HALEY	80	71	76	71			74	
ELECTIVE	ELECTIVE TEACHER	100	100	100	98			100	
US HISTORY 7	ROBINSON, FRANCES A	71	73	72	67			70	
CYBER FOUNDATION I	HALL, SHARON	67	65	66	74			70	
MATH 7	BREAZEALE, ALICE	66	72	68	49			57	
ELECTIVE	ELECTIVE TEACHER	98	80	89	91			80	
ENGLISH 7	RODGERS, ALEXIS	75	70	73	63			68	

Explanation of Marks

90 - 100 = A
80 - 89 = B
70 - 79 = C
65 - 69 = D
00 - 64 = F

$$\frac{Q1 + Q2 + Q3 + g}{4} \geq 65$$

Directions: Calculate the score you need to pass math class.

$$\frac{Q1 + Q2 + Q3 + g}{4} \geq 65$$

EARLY FINISHERS: Calculate the score you need to pass your other classes.

Monday Night Homework
Due Tomorrow!

Edulastic

7.RP.6 Bell Ringer # 6

Created By Alice Breazeale

1. What is the percent of change from 5,000 to 900 ?
   - (A) 82% increase
   - (B) 115% increase
   - (C) 82% decrease
   - (D) 115% decrease

2. Tom had a total of $220 and he spent $35 on a baseball ticket.

   What percent of his money did he have left?
   - (A) 15.9%
   - (B) 65%
   - (C) 84.1%
   - (D) 185%

3. A store sells a certain digital camera model for $108. During a special promotion, the camera is discounted by 30%. What is the discounted price?
   - (A) $32.40
   - (B) $75.60
   - (C) $140.40
   - (D) $104.76

Front

Edulastic

7.RP.3 Bell Ringer # 5

Created By Alice Breazeale

1. The bill for Jacoby's breakfast at a Nashville restaurant is $9. He wants to leave a 20% tip. How much should the tip be?

2. The Smith family went out to dinner.
   - The price of the meal was $29.85.
   - The sales tax was 6% of the price of the meal
   - The tip was 15% of the meal and the sales tax.

   How much money did the Smith family pay for the meal, including tax and tip?
   - (A) $50.85
   - (B) $36.39
   - (C) $36.12
   - (D) $31.96

3. Charis invested $140. She earned a simple interest of 3% per year on the initial investment. If no money was added or removed from the investment, what was the amount of interest Charis received at the end of two years?
   - (A) $4.20
   - (B) $6.00
   - (C) $8.40
   - (D) $12.60

Back

DO NOW!

April 9, 2024 (Tuesday)

Directions:
- Turn in your homework to the correct shelf.
- Login to iready (Math).

1st: Complete the lesson, "Understand Percent Concepts"

2nd: Complete the lesson, "Find a Percent of a Number"

- ❖ Take notes on lesson vocabulary and record at least 3 examples for each lesson.
- ❖ Get 45 minutes total!
- ❖ This must be completed before class is over.

1st	Understand Percent Concepts

★ Show calculations for at least 3 problems presented in the lesson.

★ <u>Lesson Vocabulary</u>
   Ratio

Ratio	Fraction	Decimal	Percent
6:10	6/10	0.6	60%

2nd	Find Percent of a Number

★ Show calculations for at least 3 problems presented in the lesson.

★ <u>Lesson Vocabulary</u>
   Equivalent ratio
   Rate

<u>**Note Guide**</u>

Tuesday Night Homework
Due Tomorrow!

Math Vocabulary Homework

Name_____
Period _____ Date_____

Directions: Look at each word and the picture or pictures with it. Create your own definition of the word based on these images. NO CHEATING!!!
*If you are stuck, describe what you see in the pictures or at least 5 words that describe the pictures.

Word/Image(s)	Original Definition
1) Gratuity	
2) Commission	
3) Simple Interest	

Word/Image(s)	Original Definition
4) Sales Tax	
5) Income Tax	

Monday Night Homework
Review (Any Questions?)

Front

Edulastic

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Created By Alice Breazeale

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   - (A) $32.40
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   - (C) $140.40
   - (D) $104.76

   A

Back

Edulastic

7.RP.3 Bell Ringer # 5

Created By Alice Breazeale

1. The bill for Jacoby's breakfast at a Nashville restaurant is $9. He wants to leave a 20% tip. How much should the tip be?

   $1.80

2. The Smith family went out to dinner.
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   - The tip was 15% of the meal and the sales tax.

   How much money did the Smith family pay for the meal, including tax and tip?
   - (A) $50.85
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   B

3. Charis invested $140. She earned a simple interest of 3% per year on the initial investment. If no money was added or removed from the investment, what was the amount of interest Charis received at the end of two years?
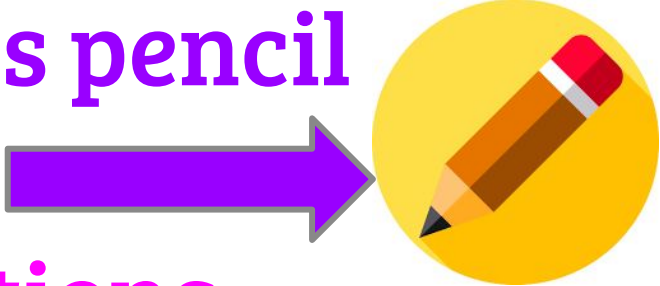   - (A) $4.20
   - (B) $6.00
   - (C) $8.40
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   C

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R
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Front

1   The bill for Jacoby's breakfast at a Nashville restaurant is $9. He wants to leave a 20% tip. **How much should the tip be?**

Back

2 The Smith family went out to dinner.

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Simple Interest = P × r × t

- P → Principal
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Directions:

1st – Turn in Tuesday's homework to the correct shelf.
2nd –Complete 1-12.

PERCENTS BELL RINGER
Student Notes (7.RP.3)

Name_____
Period _____ Date_____

Directions: Read each statement carefully and choose the best answer.

1) Percent means "per _____."

A) 10
B) 100
C) 1000
D) 10,000

2) All percents can be changed to an equivalent fraction.

A) True
B) False

3) When changing a percent to a decimal, moving the decimal two places to the left is the same as dividing by 100.

A) True
B) False

4) When changing a decimal to a percent, moving the decimal two places to the right is the same as multiplying by 100.

A) True
B) False

5) When changing a percent to a fraction, write the original number over 1000 and simplify the fraction.

A) True
B) False

6) When changing a fraction to a percent, change the fraction to a decimal and divide by 100.

A) True
B) False

Page 1 of 2

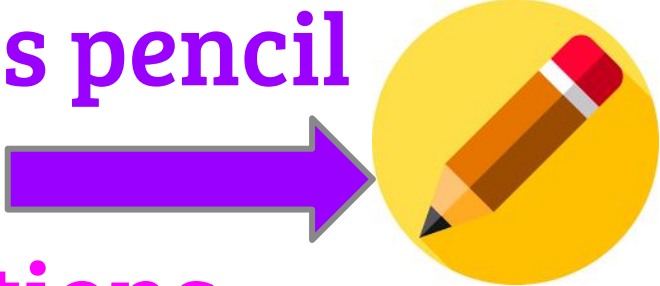**Directions:** Read each statement carefully, calculate the problem, and choose the correct answer.

7) What number is 15% of 63?

A) 0.945
B) 9.45
C) 94.5
D) 945

8) What percent of 42 is 21?

A) 5%
B) 8.82%
C) 50%
D) 88.2%

9) 25 is 40% of what number?

A) 1
B) 6.25
C) 10
D) 62.5

10) On a 120-question test, a student got 96 correct answers. What percent of the problems did the student work correctly?

A) 20%
B) 55%
C) 80%
D) 95%

11) How much HCl (hydrochloric acid) is in a 60-milliliter bottle that is marked 80%?

A) 48
B) 52
C) 480
D) 520

12) If 25% of the students in middle school algebra courses receive a grade of A and there are 300 students enrolled in middle school algebra, how many students will receive an A??

A) 25
B) 40
C) 60
D) 75

Page 2 of 2

REVIEW MPT 4.1

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REVIEW

1 Which expression is equivalent to $2.2 - 2.5$? (7.NS.1)

(A) $2.5 - 2.2$

(B) $2.2 + 2.5$

(C) $2.2 + (-2.5)$

(D) $2.2 - (-2.5)$

$a - b = a + (-b)$
$2.2 - 2.5 = 2.2 + (-2.5)$
$-0.3 = -0.3$

2 Last week, the value of an investment changed at a rate of $-\$3.15$ each day. After how many days was the total change in value $-\$12.60$?

Enter your answer in the box. **(7.NS.3)**

[   ]

3 The amount Troy charges to mow a lawn is proportional to the time it takes him to mow the lawn. Troy charges $30 to mow a lawn that took him 1.5 hours to mow.
Which equation models the amount in dollars, d, Troy charges when it takes him h hours to mow a lawn? (7.RP.2)

(A) $d = 20h$

(B) $h = 20d$

(C) $d = 45h$

(D) $h = 45d$

- y=mx
- m is the constant of proportionality aka rate

$$m = \frac{rise\,(y)}{run\,(x)}$$

4 Which situation can be represented by the equation $1\frac{1}{4} \times 6 = 7\frac{1}{2}$? (7.NS.2)

(A) It took Calvin $1\frac{1}{4}$ hours to run 6 miles. He ran $7\frac{1}{2}$ miles per hour.

(B) Sara read for $1\frac{1}{4}$ hours every day for 6 days. She read for a total of $7\frac{1}{2}$ hours.

(C) Matthew addressed $1\frac{1}{4}$ envelopes in 6 minutes. He addressed $7\frac{1}{2}$ envelopes per minute.

(D) It took Beth $1\frac{1}{4}$ minutes to paint 6 feet of a board. She painted a total of $7\frac{1}{2}$ feet of the board.

5 Determine which expression is equivalent to $\frac{3}{4} - x\left(\frac{1}{2} - \frac{5}{8}\right) + \left(-\frac{3}{8}x\right)$. (7.EE.1)

(A) $-\frac{3}{4}x$

(B) $\frac{1}{2}x$

(C) $\frac{1}{8} - \frac{7}{8}x$

(D) $\frac{3}{4} - \frac{1}{4}x$

Name _____

Period _____ Date _____

U-N-R-A-V-E-L

NOTE
This is NOT the official UNRAVEL strategy. This is Mrs. Brevecole's version for math.

1ˢᵗ Underline the question.
2ⁿᵈ Now predict which operation to use while
3ʳᵈ Reading the problem and circling key words/numbers.
4ᵗʰ Apply the steps to solve.
5ᵗʰ Verify your answer is correct while
6ᵗʰ Eliminating incorrect answer choices.
7ᵗʰ Let the answer stand or rework the problem.

	REAL-WORLD MATHEMATICAL PROBLEM	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
3	Did I apply the steps to solve while jotting down these calculations as I go?		
4	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
5	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. SHOW IT ALL!)		
6	Did I answer the problem correctly? (Only check "yes" if you are certain. If you have any doubts, work it out.)		

How to Predict your Score for this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right. "Box I."	I.	
Divide the sum from "Box I" by 12. Record this number in "Box II." the space to the right.	II.	
Multiply the question from "Box II" by 100 to change to a percent. Record this number in "Box III" the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed. this is your predicted score.	IV.	

U-N-R-A-V-E-L

1st Underline the question.
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3rd Reading the problem and circling key words/numbers.
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How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 6. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

6 Anita earns 60 points every time she shops at a grocery store. She needs a total of 2,580 points to receive a free prize. So far she has earned 480 points. How many more times will Anita have to shop at the grocery store in order to earn the additional points she needs for a free prize? (7.EE.4)

(A) 8

(B) 35

(C) 43

(D) 51

U-N-R-A-V-E-L

1st Underline the question.
2nd Now predict which operation to use while
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How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 6. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

7 Ruben put an empty cup underneath a leaking faucet. After $1\frac{1}{2}$ hours, Ruben had collected $\frac{1}{4}$ cup of water. What is the rate, in cups per hour, at which the water is leaking from the faucet? (7.RP.1)

(A) $\frac{1}{6}$

(B) $\frac{3}{8}$

(C) $\frac{8}{3}$

(D) $\frac{6}{1}$

8 Charis invested $140. She earned a simple interest of 3% per year on the initial investment. If no money was added or removed from the investment, what was the amount of interest Charis received at the end of two years? (7.RP.3)

(A) $4.20

(B) $6.00

(C) $8.40

(D) $12.60

📝 Simple Interest = P × r × t

U-N-R-A-V-E-L

1st Underline the question.
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Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

9 If the probability that it will rain tomorrow is $\frac{1}{5}$, what is the probability that it will not rain tomorrow? (7.SP.5)

(A) $\frac{4}{5}$

(B) $\frac{3}{5}$

(C) $\frac{2}{5}$

(D) $\frac{2}{10}$

10 Which event is **unlikely**, but not impossible? (7.SP.5)

(A) Spinning a spinner split into 16 equal sections labeled 1-16 and landing on 3

(B) Rolling a dice and landing on an odd number

(C) Flipping a coin and landing on tails

(D) Pulling a white marble out of a bag that contains 4 white marbles and 2 red marbles

$$\frac{f\ avorable\ outcomes}{total\ outcomes}$$

Impossible	Less likely	Equally likely as unlikely	More likely	Certain
0	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
0%	25%	50%	75%	100%
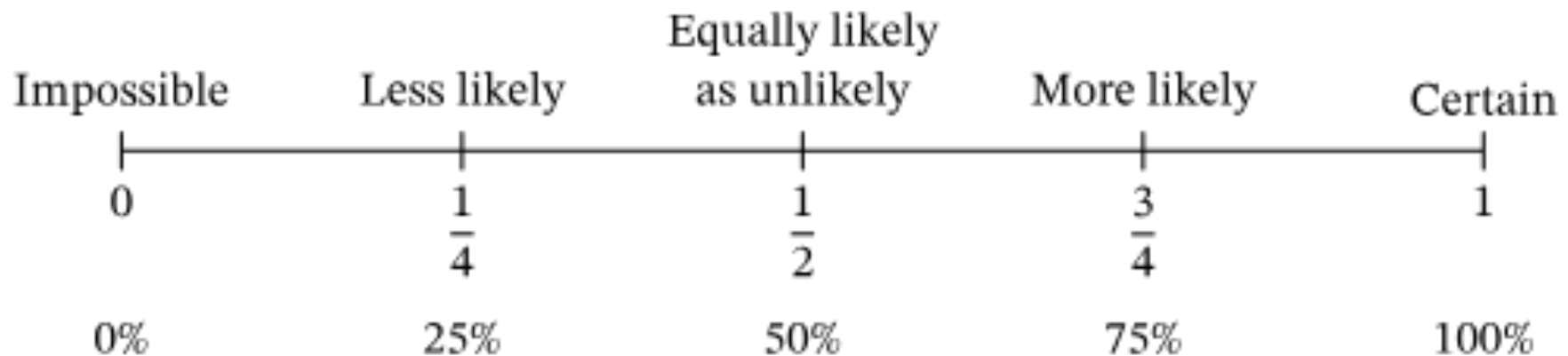
Wednesday Night Homework
Due Tomorrow!

Homework 7TH Grade Math (7.RP.3)

Name _____

Period _____ Date _____

Directions: Use the UNRAVEL strategy to solve the problems. You MUST show work to receive full credit. Use the checklists below to grade your work.

	PART A	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
3	Did I apply the steps to solve while writing down these calculations ON PAPER?		
4	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
5	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. SHOW IT ALL!)		
6	Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
	PART B	Yes	No
7	Did I underline the question while reading it carefully?		
8	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
9	Did I apply the steps to solve while writing down these calculations ON PAPER?		
10	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. SHOW IT ALL!)		
11	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
12	Did I use my time wisely? (If your answer is "no," go through the UNRAVEL strategy again until you can answer "yes" to this question in good faith.)		

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

Homework 7TH Grade Math (7.RP.3)

Name _____

Period _____ Date _____

Directions: Use the UNRAVEL strategy to solve both parts of the problem. You MUST show work to receive full credit. Use the checklists to predict your grade.

NOTE
This is NOT the official UNRAAVEL strategy. This is Mrs. Breazeale's version for math.

U-N-R-A-V-E-L

1st Underline the question.
2nd Now predict which operation to use while
3rd Reading the problem and circling key words/numbers.
4th Apply the steps to solve.
5th Verify your answer is correct while
6th Eliminating incorrect answer choices.
7th Let the answer stand or rework the problem.

Homework Problem

Joseph works at the outlet mall, Nike Store, in Gulfport, Mississippi. The commission he earns is 8% of his monthly sales, and he usually buys Dippin' Dots Ice-cream on his lunch break that costs $7 each visit.

Part A

This month Joseph had $14,000 in sales. What amount of commission, in dollars, did he mean?

A) $980
B) $1120
C) $9,8000
D) $11,200

Part B

Joseph earned $2,512 in commission last month. How much money, in dollars, did he have in sales last month? (Round to the nearest hundredth if needed.)

Enter your answer in the box.

$ _____

10 minutes

1st – Turn in Wednesday's homework to the correct shelf.

2nd – Complete the following problem using the UNRAVEL strategy.

3rd – Use the checklist to grade yourself.

Bell Ringer
7TH Grade Math
(7.RP.3)

Name_____

Period_____ Date_____

Directions: Use the UNRAVEL strategy to solve both parts of the problem. You MUST show work to receive full credit. **Use the checklists to predict your grade.**

NOTE
This is NOT the official UNRAAVEL strategy. This is Mrs. Breazeale's version for math.

U-N-R-A-V-E-L

1st Underline the question.
2nd Now predict which operation to use while
3rd Reading the problem and circling key words/numbers.
4th Apply the steps to solve.
5th Verify your answer is correct while
6th Eliminating incorrect answer choices.
7th Let the answer stand or rework the problem.

Bell Ringer #1

Keaysha works at the outlet mall, Coach Store, in Gulfport, Mississippi. The commission she earns is 12% of her monthly sales and she usually works 40 hours a week.

Part A

This month Keaysha had $8,000 in sales. What amount of commission, in dollars, did she mean?

A) $96
B) $200
C) $384
D) $960

Part B

Keaysha earned $1,375 in commission last month. How much money, in dollars, did she have in sales last month? (Round to the nearest hundredth if needed.)

Enter your answer in the box.

$ _____

Bell Ringer
7TH Grade Math
(7.RP.3)

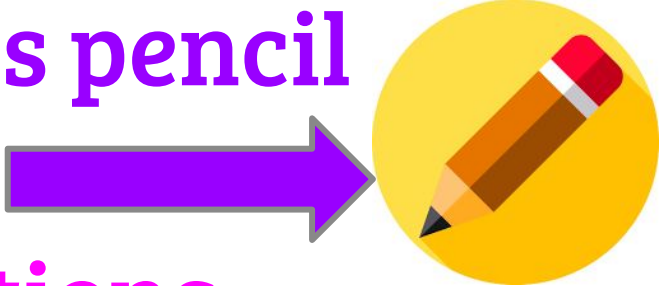Name_____

Period_____ Date_____

Directions: Use the UNRAVEL strategy to solve the problems. You MUST show work to receive full credit. **Use the checklists below to grade your work.**

	PART A	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
3	Did I apply the steps to solve while writing down these calculations ON PAPER?		
4	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
5	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. SHOW IT ALL!)		
6	Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
	PART B	Yes	No
7	Did I underline the question while reading it carefully?		
8	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
9	Did I apply the steps to solve while writing down these calculations ON PAPER?		
10	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. SHOW IT ALL!)		
11	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
12	Did I use my time wisely? (If your answer is "no," go through the UNRAVEL strategy again until you can answer "yes" to this question in good faith.)		

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

Additional Rules

1) **When I write, you write.**
2) **When I'm talking, your not.**
3) **When you see this pencil icon, take notes.**
4) **Always ask questions. (Raise your hand.)**
5) **Be ready to answer questions.**

R
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W

Keaysha works at the outlet mall, Coach Store, in Gulfport, Mississippi. The commission she earns is 12% of her monthly sales and she usually works 40 hours a week.

Part A

This month Keaysha had $8,000 in sales.
What amount of commission, in dollars,
did she mean ?

A) $96
B) $200
C) $384
D) $960

	PART A	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
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Bell Ringer #1

Keaysha works at the outlet mall, Coach Store, in Gulfport, Mississippi. The commission she earns is 12% of her monthly sales and she usually works 40 hours a week.

Part A

This month Keaysha had $8,000 in sales. What amount of commission, in dollars, did she mean ?

A) $96
B) $200
C) $384
● $960

Part B

Keaysha earned $1,375 in commission last month. How much money, in dollars, did she have in sales last month? (Round to the nearest hundredth if needed.)

Enter your answer in the box.

$ [   ]

	PART B	Yes	No
7	Did I underline the question while reading it carefully?		
8	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
9	Did I apply the steps to solve while writing down these calculations ON PAPER?		
10	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. SHOW IT ALL!)		
11	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
12	Did I use my time wisely? (If your answer is "no," go through the UNRAVEL strategy again until you can answer "yes" to this question in good faith.)		

Keaysha works at the outlet mall, Coach Store, in Gulfport, Mississippi. The commission she earns is 12% of her monthly sales and she usually works 40 hours a week.

Part A

This month Keaysha had $8,000 in sales. What amount of commission, in dollars, did she mean ?

A) $96
B) $200
C) $384
● $960

Part B

Keaysha earned $1,375 in commission last month. How much money, in dollars, did she have in sales last month? (Round to the nearest hundredth if needed.)

Enter your answer in the box.

$ **11,458.33**

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

1st – Write your name on your **notes** and start reading.
2nd - Once you get **"Percent" Bell Ringer** back, check your answers with the notes to verify you are correct.

PERCENTS

Percent means "per hundred." Writing a number as a percent is a way of comparing the number with 100. For example: $42\% = \frac{42}{100}$

Percents are really fractions (or ratios) with a denominator of 100. Any percent may be changed to an equivalent fraction by dropping the percent symbol and writing the number over 100. Usually it is best to put this fraction in simplest terms.

CHANGING PERCENTS TO DECIMALS

RULE: *To change a percent to a decimal, drop the % symbol and move the decimal point two places to the left.*

Examples: $25\% = 0.25$ $75\% = 0.75$ $6.8\% = 0.068$ $0.63\% = 0.0063$

CHANGING DECIMALS TO PERCENTS

RULE: *To change a decimal to a percent, move the decimal point two places to the right and use the % symbol.*

Examples: $0.27 = 27\%$ $4.89 = 489\%$ $0.2 = 20\%$ $25 = 2500\%$

CHANGING PERCENTS TO FRACTIONS

RULE: *To change a percent to a fraction, drop the % symbol and write the original number over 100. Simplify the fraction to lowest terms.*

Examples: $62\% = \frac{62}{100} = \frac{31}{50}$

$4.5\% = \frac{4.5}{100} = \frac{4.5 \times 10}{100 \times 10} = \frac{45}{1000} = \frac{9}{200}$

To create a whole number in the numerator, multiply the numerator and denominator by 10. Simplify.

$32\frac{1}{2}\% = \frac{32\frac{1}{2}}{100} = \frac{\frac{65}{2}}{100} = \frac{65}{2} \times \frac{1}{100} = \frac{65}{200} = \frac{13}{40}$

Writing $32\frac{1}{2}\%$ over 100 produces a complex fraction, so we change $32\frac{1}{2}$ to an improper fraction and simplify.

CHANGING FRACTIONS TO PERCENTS

RULE: *To change a fraction to a percent, change the fraction to a decimal and then change the decimal to a percent.*

Examples:
$\frac{7}{10} = 0.7 = 70\%$

Change $\frac{7}{10}$ to a decimal by dividing 7 by 10. Then change the resulting decimal 0.7 to a percent by moving the decimal point two places to the right and use the % symbol.

$\frac{3}{8} = 0.375 = 37.5\%$

Change $\frac{3}{8}$ to a decimal by dividing 3 by 8. Then change the decimal to a percent by moving the decimal point tow places to the right and use the % symbol. Division equals 0.375 which becomes 37.5%.

PERCENTS BELL RINGER
Student Notes (7.RP.3)

Name_____
Period _____ Date_____

Directions: Read each statement carefully and choose the best answer.

1) Percent means "per _____."

A)   10
B)   100
C)   1000
D)   10,000

2) All percents can be changed to an equivalent fraction.

A)   True
B)   False

3) When changing a percent to a decimal, moving the decimal two places to the left is the same as dividing by 100.

A)   True
B)   False

4) When changing a decimal to a percent, moving the decimal two places to the right is the same as multiplying by 100.

A)   True
B)   False

5) When changing a percent to a fraction, write the original number over 1000 and simplify the fraction.

A)   True
B)   False

6) When changing a fraction to a percent, change the fraction to a decimal and divide by 100.

A)   True
B)   False

Page 1 of 2

PERCENTS BELL RINGER
Student Notes (7.RP.3)

Name_____

Period _____ Date_____

Directions: Read each statement carefully and choose the best answer.

1) Percent means "per _____."

   A)   10
   B)   100
   C)   1000
   D)   10,000

2) All percents can be changed to an equivalent fraction.

   A)   True
   B)   False

3) When changing a percent to a decimal, moving the decimal two places to the left is the same as dividing by 100.

   A)   True
   B)   False

4) When changing a decimal to a percent, moving the decimal two places to the right is the same as multiplying by 100.

   A)   True
   B)   False

5) When changing a percent to a fraction, write the original number over 1000 and simplify the fraction.

   A)   True
   B)   False

6) When changing a fraction to a percent, change the fraction to a decimal and divide by 100.

   A)   True
   B)   False

Directions: Read each statement carefully , calculate the problem, and choose the correct answer.

7) What number is 15% of 63?

    A)   0.945
    B)   9.45
    C)   94.5
    D)   945

8) What percent of 42 is 21?

    A)   5%
    B)   8.82%
    C)   50%
    D)   88.2%

9) 25 is 40% of what number?

    A)   1
    B)   6.25
    C)   10
    D)   62.5

10) On a 120-question test, a student got 96 correct answers. What percent of the problems did the student work correctly?

A) 20%
B) 55%
C) 80%
D) 95%

11) How much HCI (hydrochloric acid) is in a 60-milliliter bottle that is marked 80%?

A) 48
B) 52
C) 480
D) 520

12) If 25% of the students in middle school algebra courses receive a grade of A and there are 300 students enrolled in middle school algebra, how many students will receive an A??

A) 25
B) 40
C) 60
D) 75

Independent Practice

Directions: Calculate problems 1-90 ON PAPER. (If you don't show your work, it does NOT count. Use the **key** to check your work.

PRACTICE

Write each percent as a fraction with a denominator of 100.

1. 20%   2. 40%   3. 60%   4. 80%
5. 24%   6. 48%   7. 65%   8. 35%

Change each percent to a decimal.

9. 23%   10. 34%   11. 92%   12. 87%
13. 9%   14. 7%   15. 3.4%   16. 5.8%
17. 6.34%   18. 7.25%   19. 0.9%   20. 0.6%

Change each decimal to a percent.

21. 0.23   22. 0.34   23. 0.92   24. 0.87
25. 0.45   26. 0.54   27. 0.03   28. 0.04
29. 0.6   30. 0.9   31. 0.8   32. 0.5

Change each percent to a fraction in lowest terms.

33. 4%   34. 2%   35. 26.5%   36. 34.2%
37. 71.87%   38. 63.6%   39. 0.75%   40. 0.45%
41. $6\frac{1}{4}$%   42. $5\frac{1}{4}$%   43. $33\frac{1}{3}$%   44. $66\frac{2}{3}$%

Change each fraction or mixed number to a percent.

45. $\frac{1}{2}$ 46. $\frac{1}{4}$ 47. $\frac{3}{4}$ 48. $\frac{2}{3}$
49. $\frac{7}{8}$ 50. $\frac{1}{8}$ 51. $\frac{7}{50}$ 52. $\frac{9}{25}$
53. $3\frac{1}{4}$ 54. $2\frac{1}{8}$ 55. $1\frac{1}{2}$ 56. $1\frac{3}{4}$

57. What number is 25% of 32?
58. What number is 10% of 80?
59. What number is 20% of 120?
60. What number is 15% of 75?
61. What number is 54% of 38?
62. What number is 72% of 200?
63. What number is 11% of 67?
64. What percent of 24 is 12?
65. What percent of 80 is 20?
66. What percent of 50 is 5?
67. What percent of 20 is 4?
68. What percent of 36 is 9?

69. What percent of 70 is 14?
70. What percent of 8 is 6?
71. 32 is 50% of what number?
72. 16 is 20% of what number?
73. 10 is 20% of what number?
74. 11 is 25% of what number?
75. 37 is 4% of what number?
76. 90 is 80% of what number?
77. 8 is 2% of what number?
78. On a 120-question test, a student got 84 correct answers. What percent of the problems did the student work correctly?
79. An engineering student answered 81 questions correctly on a 90-question test. What percent of the questions did she answer correctly? What percent were incorrect?
80. A basketball player made 63 out of 75 free throws. What percent is this?
81. A family spends $450 every month on food. If the family's income is $1,800 each month, what percent of the income is spent on food?
82. How much HCl (hydrochloric acid) is in a 60-milliliter bottle that is marked 75% HCl?
83. How much acetic acid is in a 5-liter container that is marked 80% acetic acid? How much is water?
84. A farmer owns 28 acres of land. Of the 28 acres, only 65% can be farmed. How many acres are available for farming?
85. Of the 420 students enrolled in basic math, only 30% are first-year students. How many are first-year students? How many are not?
86. If 48% of the students in a certain college are female and there are 1,440 female students, what is the total number of students in the college?
87. Suppose 60% of the graduating class in a certain high school goes to college. If 240 students from this graduating class are going to college, how many students are in the class?
88. In a shipment of airplane parts, 3% are known to be defective. If 15 parts are food to be defective, how many parts are in the shipment?
89. There are 3,200 students are our school. If 52% of them are men, how many men are enrolled in our school?
90. 75% of the students in chemistry have had algebra. If there are 300 students in chemistry, how many of them have had algebra?

ANSWERS

1. $\frac{20}{100}$ 2. $\frac{40}{100}$ 3. $\frac{60}{100}$ 4. $\frac{80}{100}$
5. $\frac{24}{100}$ 6. $\frac{48}{100}$ 7. $\frac{65}{100}$ 8. $\frac{35}{100}$
9. 0.23   10. 0.34   11. 0.92   12. 0.87
13. 0.09   14. 0.07   15. 0.034   16. 0.058
17. 0.0634   18. 0.0725   19. 0.009   20. 0.006
21. 23%   22. 34%   23. 92%   24. 87%
25. 45%   26. 54%   27. 3%   28. 4%
29. 60%   30. 90%   31. 80%   32. 50%
33. $\frac{1}{25}$ 34. $\frac{1}{50}$ 35. $\frac{53}{200}$ 36. $\frac{171}{500}$
37. $\frac{7187}{10000}$ 38. $\frac{159}{250}$ 39. $\frac{3}{400}$ 40. $\frac{9}{200}$
41. $\frac{1}{16}$ 42. $\frac{21}{400}$ 43. $\frac{1}{3}$ 44. $\frac{2}{3}$
45. 50%   46. 25%   47. 75%   48. $66\frac{2}{3}$%
49. $87\frac{1}{2}$%   50. $12\frac{1}{2}$%   51. 14%   52. 36%
53. 325%   54. $212\frac{1}{2}$%   55. 150%   56. 175%
57. 8   58. 8   59. 24   60. 11.25
61. 20.52   62. 144   63. 7.37   64. 50%
65. 25%   66. 10%   67. 20%   68. 25%
69. 20%   70. 75%   71. 64   72. 80
73. 50   74. 44   75. 925   76. 112.5
77. 400   78. 70%   79. 90% correctly, 10% incorrectly   80. 84%   81. 25%   82. 45 mi
83. 4 liters acetic acid, 1 liter water   84. 18.2 acres
85. 126 are first-year, 294 are not   86. 3,000 students   87. 400 students
88. 500 parts   89. 1,664 women   90. 225 students

Write each percent as a fraction with a denominator of 100.

1. 20%	2. 40%	3. 60%	4. 80%
5. 24%	6. 48%	7. 65%	8. 35%

Change each percent to a decimal.

9. 23%	10. 34%	11. 92%	12. 87%
13. 9%	14. 7%	15. 3.4%	16. 5.8%
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Change each percent to a fraction in lowest terms.

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37. 71.87%	38. 63.6%	39. 0.75%	40. 0.45%
41. $6\frac{1}{4}$%	42. $5\frac{1}{4}$%	43. $33\frac{1}{3}$%	44. $66\frac{2}{3}$%

Change each fraction or mixed number to a percent.

45. $\frac{1}{2}$ 46. $\frac{1}{4}$ 47. $\frac{3}{4}$ 48. $\frac{2}{3}$

49. $\frac{7}{8}$ 50. $\frac{1}{8}$ 51. $\frac{7}{50}$ 52. $\frac{9}{25}$

53. $3\frac{1}{4}$ 54. $2\frac{1}{8}$ 55. $1\frac{1}{2}$ 56. $1\frac{3}{4}$

57. What number is 25% of 32?

58. What number is 10% of 80?

59. What number is 20% of 120?

60. What number is 15% of 75?

61. What number is 54% of 38?

62. What number is 72% of 200?

63. What number is 11% of 67?

64. What percent of 24 is 12?

65. What percent of 80 is 20?

66. What percent of 50 is 5?

67. What percent of 20 is 4?

68. What percent of 36 is 9?

69. What percent of 70 is 14?

70. What percent of 8 is 6?

71. 32 is 50% of what number?

72. 16 is 20% of what number?

73. 10 is 20% of what number?

74. 11 is 25% of what number?

75. 37 is 4% of what number?

76. 90 is 80% of what number?

77. 8 is 2% of what number?

78. On a 120-question test, a student got 84 correct answers. What percent of the problems did the student work correctly?

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87. Suppose 60% of the graduating class in a certain high school goes to college. If 240 students from this graduating class are going to college, how many students are in the class?

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PRACTICE

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Change each percent to a decimal.

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21. 0.23	22. 0.34	23. 0.92	24. 0.87
25. 0.45	26. 0.54	27. 0.03	28. 0.04
29. 0.6	30. 0.9	31. 0.8	32. 0.5

Change each percent to a fraction in lowest terms.

33. 4%	34. 2%	35. 26.5%	36. 34.2%
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Change each fraction or mixed number to a percent.

45. $\frac{1}{2}$	46. $\frac{1}{4}$	47. $\frac{3}{4}$	48. $\frac{2}{3}$
49. $\frac{7}{8}$	50. $\frac{1}{8}$	51. $\frac{7}{50}$	52. $\frac{9}{25}$
53. $3\frac{1}{4}$	54. $2\frac{1}{8}$	55. $1\frac{1}{2}$	56. $1\frac{3}{4}$

57. What number is 25% of 32?

58. What number is 10% of 80?

59. What number is 20% of 120?

60. What number is 15% of 75?

61. What number is 54% of 38?

62. What number is 72% of 200?

63. What number is 11% of 67?

64. What percent of 24 is 12?

65. What percent of 80 is 20?

66. What percent of 50 is 5?

67. What percent of 20 is 4?

68. What percent of 36 is 9?

69. What percent of 70 is 14?

70. What percent of 8 is 6?

71. 32 is 50% of what number?

72. 16 is 20% of what number?

73. 10 is 20% of what number?

74. 11 is 25% of what number?

75. 37 is 4% of what number?

76. 90 is 80% of what number?

77. 8 is 2% of what number?

78. On a 120-question test, a student got 84 correct answers. What percent of the problems did the student work correctly?

79. An engineering student answered 81 questions correctly on a 90-question test. What percent of the questions did she answer correctly? What percent were incorrect?

80. A basketball player made 63 out of 75 free throws. What percent is this?

81. A family spends $450 every month on food. If the family's income is $1,800 each month, what percent of the income is spent on food?

82. How much HCl (hydrochloric acid) is in a 60-milliliter bottle that is marked 75% HCl?

83. How much acetic acid is in a 5-liter container that is marked 80% acetic acid? How much is water?

84. A farmer owns 28 acres of land. Of the 28 acres, only 65% can be farmed. How many acres are available for farming?

85. Of the 420 students enrolled in basic math, only 30% are first-year students. How many are first-year students? How many are not?

86. If 48% of the students in a certain college are female and there are 1,440 female students, what is the total number of students in the college?

87. Suppose 60% of the graduating class in a certain high school goes to college. If 240 students from this graduating class are going to college, how many students are in the class?

88. In a shipment of airplane parts, 3% are known to be defective. If 15 parts are food to be defective, how many parts are in the shipment?

89. There are 3,200 students are our school. If 52% of them are men, how many men are enrolled in our school?

90. 75% of the students in chemistry have had algebra. If there are 300 students in chemistry, how many of them have had algebra?

Directions:

1st – Turn in Thursday's homework to the correct shelf.
2nd – Complete the following pages.

Bell Ringer 7th Grade Math worksheet (7.RP.3)

Directions: Use the UNRAVEL strategy to solve both parts of the problem. You MUST show work to receive full credit. Use the checklists to predict your grade.

U-N-R-A-V-E-L

1st Underline the question.
2nd Now predict which operation to use while
3rd Reading the problem and circling key words/numbers.
4th Apply the steps to solve.
5th Verify your answer is correct while
6th Eliminating incorrect answer choices.
7th Let the answer stand or rework the problem.

NOTE This is NOT the official UNRAAVEL strategy. This is Mrs. Breazeale's version for math.

Bell Ringer Problem

A furniture store had the following sale.

Buy one item at the regular price, get the second item of equal or lesser value for $\frac{1}{2}$ off!

Part A
Mr. Davis bought 2 chairs during the sale. The regular price of each chair was $168. What was the total price, in dollars, for both chairs during the sale, not including tax?

Enter your answer in the box.

$ _____

Part B
Ms. Wilcox bought a sofa and a chair during the sale. The regular price of the sofa was $875 and the regular price of the chair was $250. After the discount was applied, a sales tax of 6.25% was charged on the total purchase. How much money did Ms. Wilcox pay, in dollars, for the sofa and chair, including tax, during the sale?

Enter your answer in the box.

$ _____

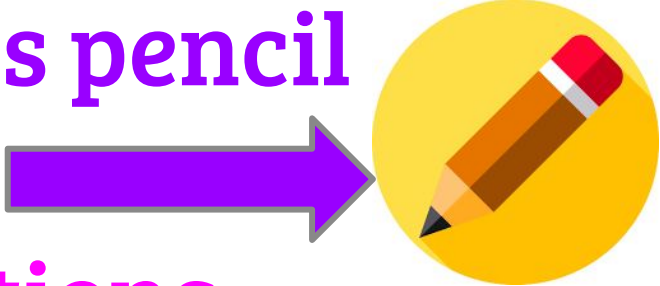Bell Ringer 7th Grade Math worksheet (7.RP.3)

Directions: Use the UNRAVEL strategy to solve the problems. You MUST show work to receive full credit. Use the checklists below to grade your work.

	PART A	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
3	Did I apply the steps to solve while writing down these calculations ON PAPER?		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. SHOW IT ALL!)		
5	Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
	PART B	Yes	No
6	Did I underline the question while reading it carefully?		
7	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
8	Did I apply the steps to solve while writing down these calculations ON PAPER?		
9	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. SHOW IT ALL!)		
10	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 10. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

Additional Rules

1) **When I write, you write.**
2) **When I'm talking, your not.**
3) **When you see this pencil icon, take notes.**
4) **Always ask questions. (Raise your hand.)**
5) **Be ready to answer questions.**

REVIEW

A furniture store had the following sale.

> **Buy one item at the regular price, get the second item of equal or lesser value for**
>
> $\frac{1}{2}$ **off!**

Part A

Mr. Davis bought 2 chairs during the sale. The regular price of each chair was $168. What was the total price, in dollars, for both chairs during the sale, not including tax?

Enter your answer in the box.

$ [   ]

	PART A	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
3	Did I apply the steps to solve while writing down these calculations ON PAPER?		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. SHOW IT ALL!)		
5	Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		

Bell Ringer Problem

A furniture store had the following sale.

Buy one item at the regular price, get the second item of equal or lesser value for

$\frac{1}{2}$ off!

Part B

Ms. Wilcox bought a sofa and a chair during the sale. The regular price of the sofa was $875 and the regular price of the chair was $250. After the discount was applied, a sales tax of 6.25% was charged on the total purchase. How much money did Ms. Wilcox pay, in dollars, for the sofa and chair, including tax, during the sale?

Enter your answer in the box.

$

	PART B	Yes	No
6	Did I underline the question while reading it carefully?		
7	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
8	Did I apply the steps to solve while writing down these calculations ON PAPER?		
9	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. SHOW IT ALL!)		
10	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		

A furniture store had the following sale.

> **Buy one item at the regular price, get the second item of equal or lesser value for**
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Part A

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$

Part B

Ms. Wilcox bought a sofa and a chair during the sale. The regular price of the sofa was $875 and the regular price of the chair was $250. After the discount was applied, a sales tax of 6.25% was charged on the total purchase. How much money did Ms. Wilcox pay, in dollars, for the sofa and chair, including tax, during the sale?

Enter your answer in the box.

$

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

Review Past Homework

Math Vocabulary Homework

Name_____

Period _____ Date_____

Directions: Look at each word and the picture or pictures with it. Create your own definition of the word based on these images. NO CHEATING!!!

*If you are stuck, describe what you see in the pictures or at least 5 words that describe the pictures.

Word/Image(s)	Original Definition
1) Gratuity	

2) Commission

3) Simple Interest

Word/Image(s)	Original Definition
4) Sales Tax	

5) Income Tax

Joseph works at the outlet mall, Nike Store, in Gulfport, Mississippi. The commission he earns is 8% of his monthly sales, and he usually buys Dippin' Dots Ice-cream on his lunch break that costs $7 each visit.

Part A

This month Joseph had $14,000 in sales.
What amount of commission, in dollars,
did he mean ?

A) $980
B) $1120
C) $9,8000
D) $11,200

	PART A	Yes	No
1	Did I underline the question while reading it carefully?		
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
3	Did I apply the steps to solve while writing down these calculations ON PAPER?		
4	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
5	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. SHOW IT ALL!)		
6	Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		

Homework Problem

Joseph works at the outlet mall, Nike Store, in Gulfport, Mississippi. The commission he earns is 8% of his monthly sales, and he usually buys Dippin' Dots Ice-cream on his lunch break that costs $7 each visit.

Part A

This month Joseph had $14,000 in sales. What amount of commission, in dollars, did he mean ?

A) $980
B) $1120
C) $9,8000
D) $11,200

Part B

Joseph earned $2,512 in commission last month. How much money, in dollars, did he have in sales last month? (Round to the nearest hundredth if needed.)

Enter your answer in the box.

$ [   ]

	PART B	Yes	No
7	Did I underline the question while reading it carefully?		
8	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?		
9	Did I apply the steps to solve while writing down these calculations ON PAPER?		
10	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. SHOW IT ALL!)		
11	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
12	Did I use my time wisely? (If your answer is "no," go through the UNRAVEL strategy again until you can answer "yes" to this question in good faith.)		

Joseph works at the outlet mall, Nike Store, in Gulfport, Mississippi. The commission he earns is 8% of his monthly sales, and he usually buys Dippin' Dots Ice-cream on his lunch break that costs $7 each visit.

Part A

This month Joseph had $14,000 in sales. What amount of commission, in dollars, did he mean ?

A) $980

⬤ $1120

C) $9,8000

D) $11,200

Part B

Joseph earned $2,512 in commission last month. How much money, in dollars, did he have in sales last month? (Round to the nearest hundredth if needed.)

Enter your answer in the box.

$ **31,400.00**

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
Count the number of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
Divide the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
Multiply the quotient from "Box II" by 100 to change to a percent. Record this number in "Box III," the space to the right.	III.	
Round the product from "Box III" to the nearest whole number if needed; this is your predicted score.	IV.	

TBA based on MPT 4.1 data.

Remediation & Enrichment

	Thursday	**Friday**
B25	**Activity:** Work with a small group reviewing most missed skills on the MPT 4.1 **Teacher:** *Ms. DeBlanc*	**Activity:** Work with a small group reviewing most missed skills on theMPT 41. Test. **Teacher:** *Ms. DeBlanc & Mrs. Breazeale*
Bubbles	**Activity:** During the review, ask students HOT questions about the most missed skill on the MPT 4.1 test. **Teacher:** *Mrs. Breazeale*	**Activity:** Work with a small group reviewing most missed skills on the MPT 4.1 Test. **Teacher:** *Ms. DeBlanc & Mrs. Breazeale*
T25	**Activity:** During the review, ask these students to teacher certain questions. **Teacher:** *Mrs. Breazeale*	**Activity:** Work with a small group reviewing most missed skills on the MPT 4.1 Test. **Teacher:** *Ms. DeBlanc & Mrs. Breazeale*

MPT 4.1 Test Student Results

	1st Period	3rd Period	4th Period	5th Period	7th Period
Rubies **0 - 40%**					
Amethyst **41 -60%**					
Emeralds **61-70%**					
Sapphires **71-100%**					