

Crunch Time

For the week of April 15, 2024

Executed by Mrs. Breazeale & Ms. DeBlanc

Grade	Subject	Domain(s)	Focus Standard(s)
7th	Math	NS, RP, EE, G, SP	7. SP.8 & 7. SP.8

Essential Question: How can mathematics be used to provide models that help us interpret data and make predictions?

	Objective(s)
M	TSWBAT explain the difference between theoretical and experimental probability by using the cornell note taking system to take notes while discussing the content with classmates and the teacher with 75% accuracy.
T	TSWBAT close gaps in learning by iReady to enhance their mathematical skills by completing lessons with 80% accuracy.
W	TSWBAT identify silly mistakes & gaps in learning by using the UNRAVEL strategy to rework incorrect problems from their most current assessment with 100% accuracy.
Th	TBA
F	TSWBAT answer 25 MAAP style questions by playing Prodigy with 100% accuracy.

Q4W3

Focus Standard(s)

7.SP.7 Develop a probability model and use it to find probabilities of events. Compare probabilities from a model to observed frequencies; if the agreement is not good, explain possible sources of the discrepancy.

7.SP.7a Develop a uniform probability model by assigning equal probability to all outcomes, and use the model to determine probabilities of events. For example, if a student is selected at random from a class, find the probability that Jane will be selected and the probability that a girl will be selected.

7.SP.7b. Develop a probability model (which may not be uniform) by observing frequencies in data generated from a chance process. For example, find the approximate probability that a spinning penny will land heads up or that a tossed paper cup will land opened down. Do the outcomes for the spinning penny appear to be equally likely based on the observed frequencies?

7.SP.8 Find probabilities of compound events using organized lists, tables, tree diagrams, and simulation.

7.SP.8a Understand that, just as with simple events, the probability of a compound event is the fraction of outcomes in the sample space for which the compound event occurs.

7.SP.8b Represent sample spaces for compound events using methods such as organized lists, tables and tree diagrams. For an event described in everyday language (e.g., "rolling double sixes"), identify the outcomes in the sample space which compose the event.

7.SP.8c Design and use a simulation to generate frequencies for compound events. For example, use random digits as a simulation tool to approximate the answer to the question: If 40% of donors have type A blood, what is the probability that it will take at least 4 donors to find one with type A blood?

Review Standard(s)

Remediation & Enrichment

	Monday	Wednesday	Friday
B25	<p>Activity: Work with a small group reviewing most missed skills on the MPT 4.1</p> <p>Teacher: <i>Mrs. DeBlanc</i></p>	<p>Activity: Work with a small group reviewing most missed skills on the MPT 4.2</p> <p>Teacher: <i>Mrs. DeBlanc</i></p>	<p>Activity: Work with a small group reviewing most missed skills on the MPT 4.2. Test.</p> <p>Teacher: <i>Mrs. DeBlanc & Mrs. Breazeale</i></p>
Bubbles	<p>Activity: During the review, ask students HOT questions about the most missed skill on the MPT 4.1 test.</p> <p>Teacher: <i>Mrs. Breazeale</i></p>	<p>Activity: During the review, ask students HOT questions about the most missed skill on the MPT 4.2 test.</p> <p>Teacher: <i>Mrs. Breazeale</i></p>	<p>Activity: Work with a small group reviewing most missed skills on the MPT 4.2 Test.</p> <p>Teacher: <i>Mrs. DeBlanc & Mrs. Breazeale</i></p>
T25	<p>Activity: During the review, ask these students to teacher certain questions.</p> <p>Teacher: <i>Mrs. Breazeale</i></p>	<p>Activity: During the review, ask students HOT questions about the most missed skill on the MPT 4.2 test.</p> <p>Teacher: <i>Mrs. Breazeale</i></p>	<p>Activity: Work with a small group reviewing most missed skills on the MPT 4.2 Test.</p> <p>Teacher: <i>Mrs. DeBlanc & Mrs. Breazeale</i></p>

MPT 4.2 Test Student Results

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

Monday

04/15/2024

DO NOW!!!

7 minutes

Directions: Complete the following problem using the UNRAVEL strategy. Use the checklist to grade yourself.

Bell Ringer
7TH Grade Math
(7.NP.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 UNRAVEL 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 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
(7.NP.3)

Name _____

Period _____ Date _____

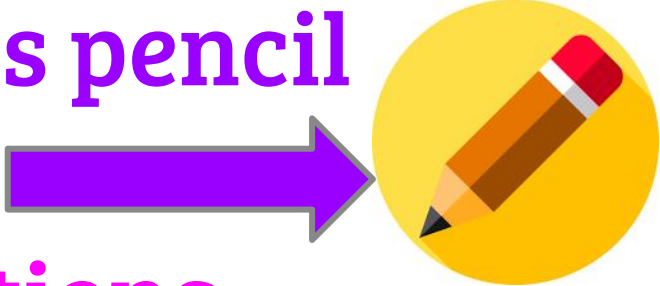
Directions: Use the UNRAVEL strategy to solve the problems. You MUST show work to receive full credit. Use the checklists below to grade your work.

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 <u>writing down these calculations ON PAPER?</u>		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. <u>SHOW IT ALL!</u>)		
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 <u>writing down these calculations ON PAPER?</u>		
9	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. <u>SHOW IT ALL!</u>)		
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; <u>this is your predicted score.</u>	IV.	

Additional Rules

10 minutes

- 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
E
V
I
E
W

Bell Ringer Problem

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Enter your answer in the box.

\$

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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 <u>writing down these calculations ON PAPER?</u>		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. <u>SHOW IT ALL!</u>)		
5	<u>Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")</u>		

Bell Ringer Problem

A furniture store had the following sale.

Buy one item at the regular price,
get the second item of equal or
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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.

\$

	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 <u>writing down these calculations ON PAPER?</u>		
9	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. <u>SHOW IT ALL!</u>)		
10	<u>Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")</u>		

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get the second item of equal or
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Enter your answer in the box.

\$

How to Predict your Score For this Assignment...	Your Answer	Teacher's Answer
<u>Count the number of boxes</u> you checked " Yes " and record this sum in the space provided to the right, "Box I."	I.	
<u>Divide</u> the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
<u>Multiply</u> the quotient from "Box II" <u>by 100</u> 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.	

Objective & Purpose

Essential Question: How can mathematics be used to provide models that help us interpret data and make predictions?

Guided Question(s):

1. What is theoretical probability?
2. What is experimental probability?
3. How can I use theoretical and experimental probabilities to predict future events?

Objective: The student will be able to explain the difference between theoretical and experimental probability by using the cornell note taking system to take notes while discussing the content with classmates and the teacher with 75% accuracy.

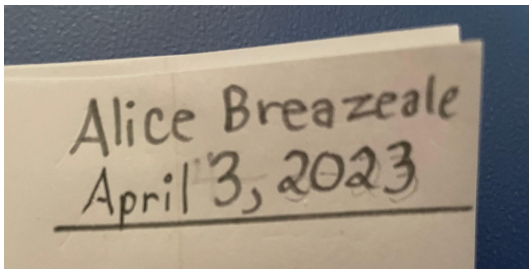
Lesson Goal(s): I will

- Explain the difference between theoretical and experimental probabilities.
- Describe how theoretical and experimental probabilities to predict future events.

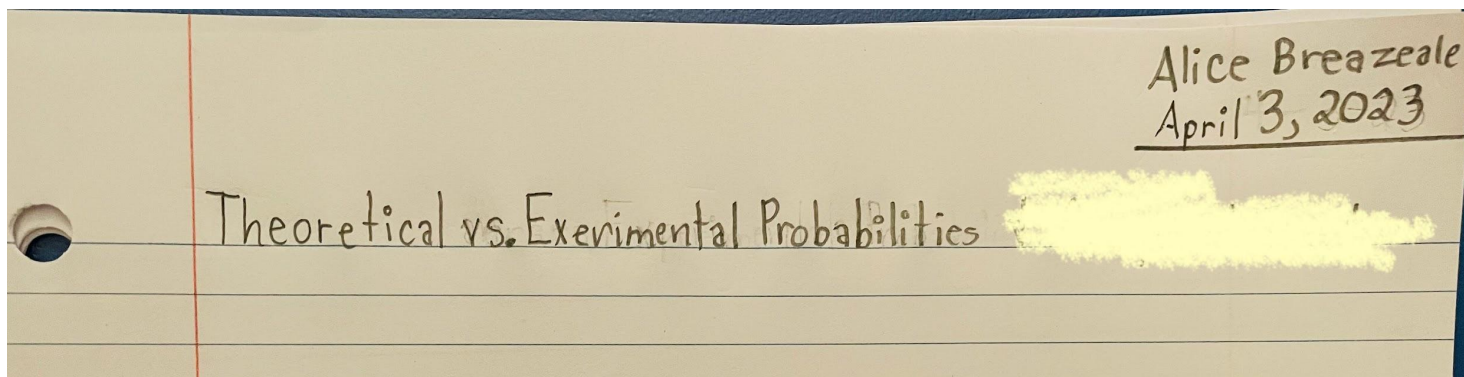
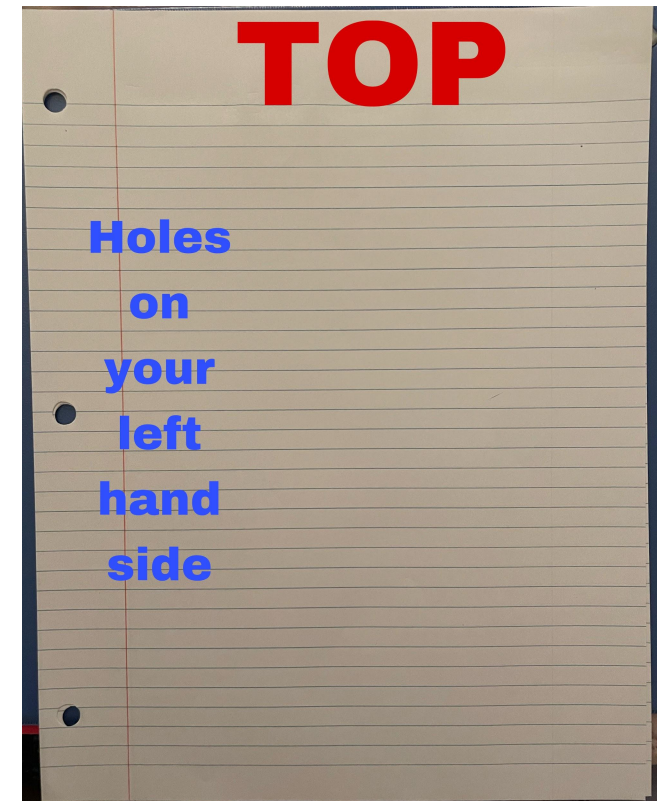
Do Now!

5 min.

1st - Place your **name** and today's **date** on the **upper right hand corner** of the notebook paper.



2nd - Place the title "**Theoretical vs. Experimental Probabilities**" on the top line of the paper.



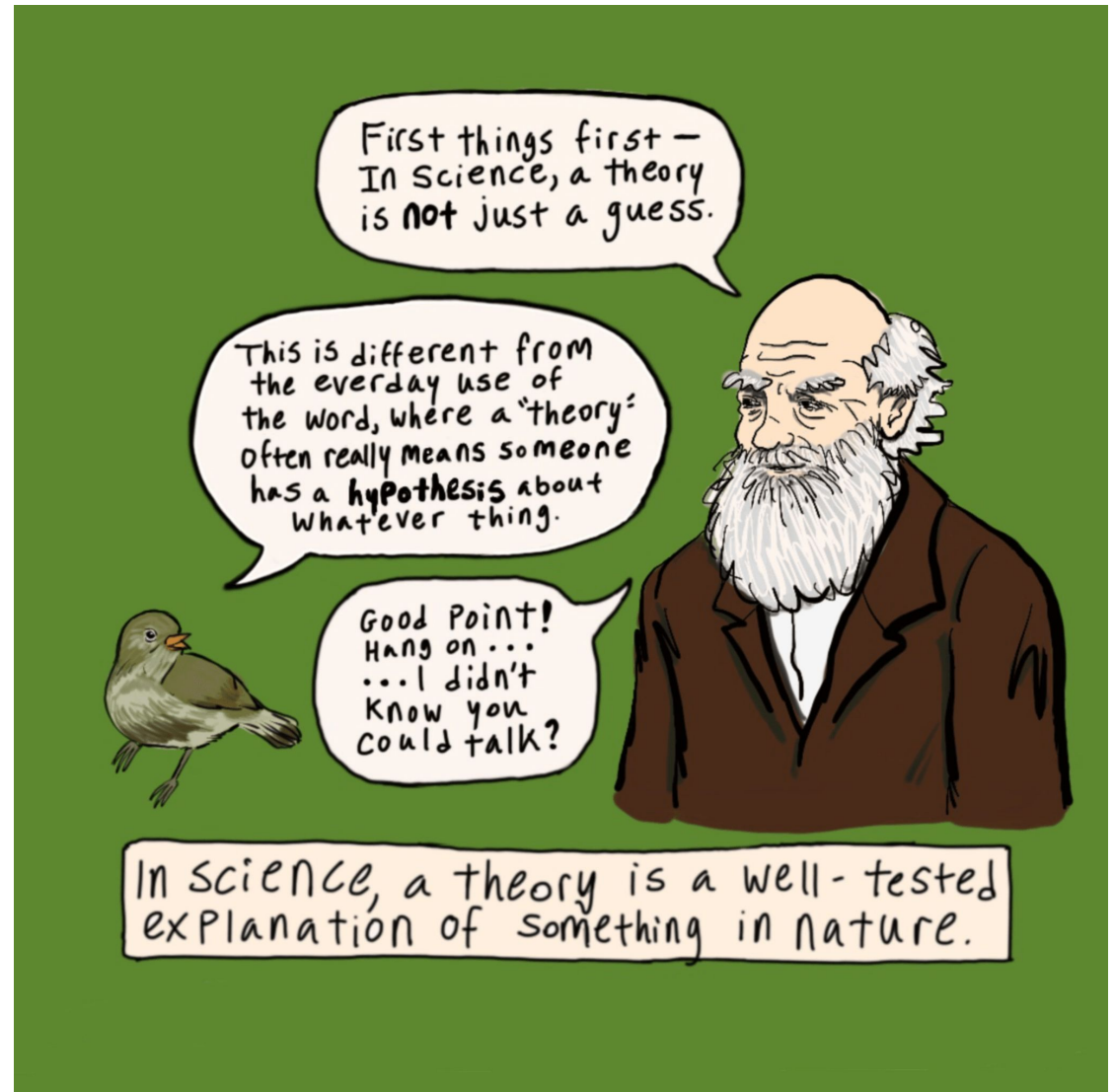
When you see this...



We are about to take notes.

Theory

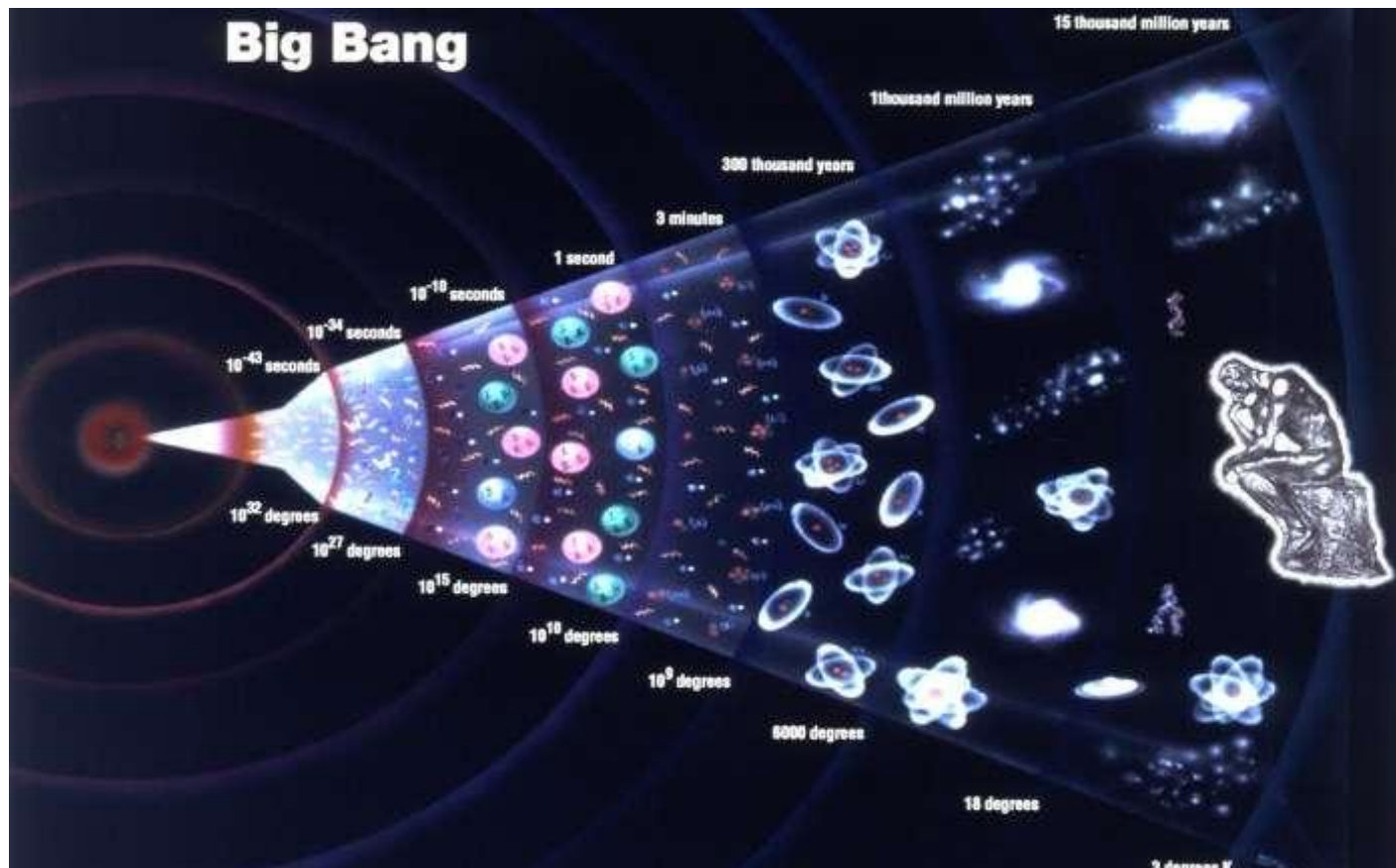
a carefully thought-out explanation for observations of the natural world that has been constructed using the scientific method, and which brings together many facts and hypotheses



The Big Bang Theory

1 min.

- explanation of how the universe was created
- says the universe was confined to single point almost 14 billion years ago with a massive expansion event

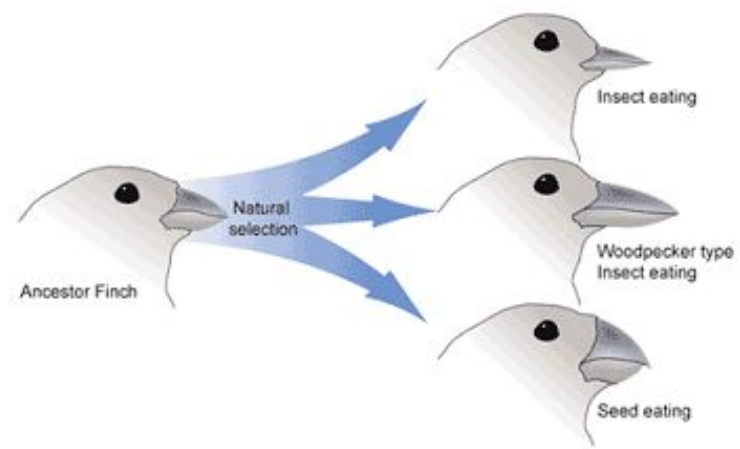
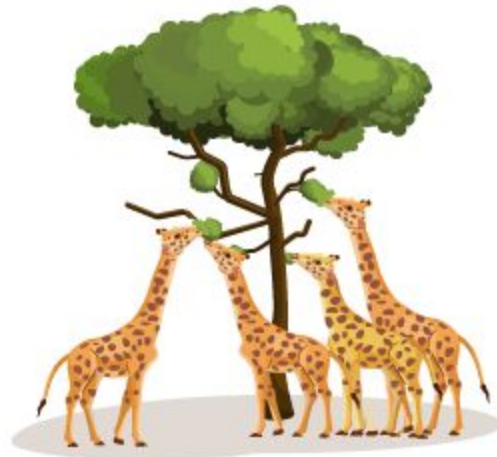


The Theory of Evolution and Natural Selection

1. Variation in neck length



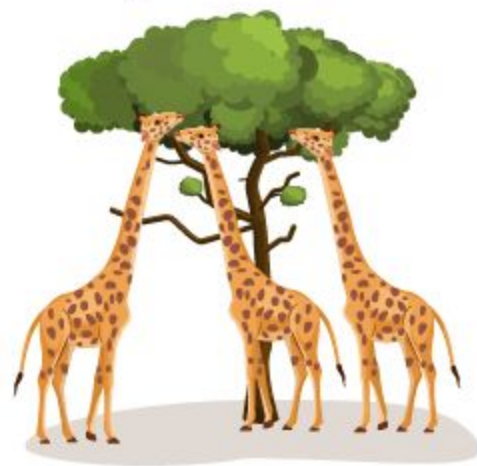
2. Struggle for existence



3. Greater fitness

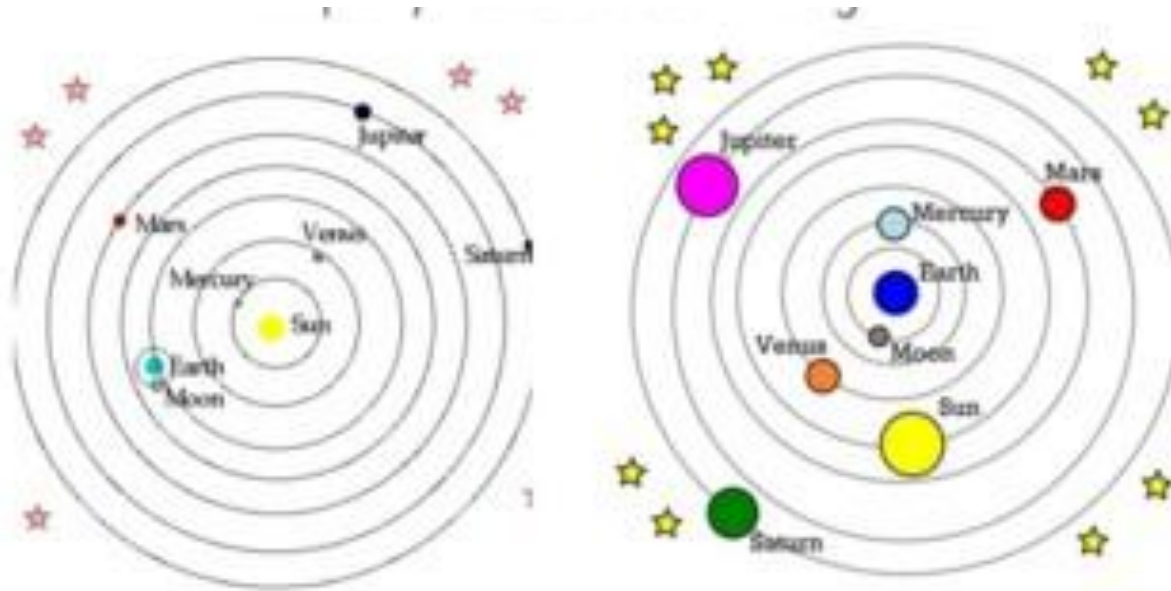


4. Long-neck trait increases



1 min.

Theories Proven Wrong (AKA Falsification)



8 min.

Theoretical Probability



2 min.

Experiment

an investigation in which a hypothesis is scientifically tested



5 min.

Experimental Probability



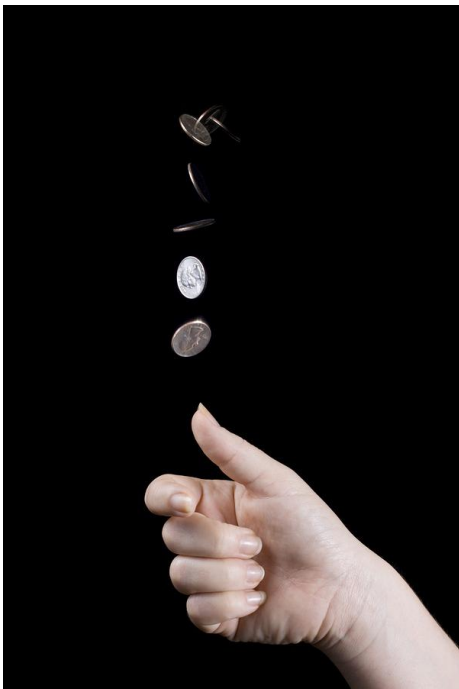
Experiment in Progress

5 min.

Directions: Flip a coin 10 times. Use tally marks to record when the coin lands on heads and tails.

Heads:

Tails:



Tally Mark Guide

1		6	
2		7	
3		8	
4		9	
5		10	

5 min.

Predicting Future Outcomes



Create a Study Guide from the Notes

6 min.

DOK DEPTH OF KNOWLEDGE SNAPSHOT

LEVEL 1

Recall



- Basic recall of information, such as a fact, definition, term, or procedure
- Requires students to follow a formula or recipe

Keywords:

- Identify
- Recall

LEVEL 2

Skills & Concepts



- Complete multiple steps in order to find a solution
- Requires students to make informed decisions about problem-solving and procedures

Keywords:

- Classify
- Organize
- Estimate
- Collect and display data

LEVEL 3

Strategic Thinking



- Reasoning, planning, using evidence, or a higher level of thinking
- Requires students to draw conclusions from observations

Keywords:

- Justify
- Explain
- Draw conclusions

LEVEL 4

Extended Thinking



- Complex reasoning, developing, or thinking over a period of time
- Requires students to design and conduct an experiment

Keywords:

- Relate
- Make connections

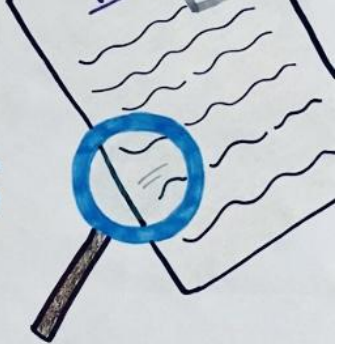
Closure

5 min.

Write a summary of today's lesson.

HOW TO WRITE A SUMMARY:

A Good Summary Has:

1. must be 3-5 sentences
 2. Is kept short
 3. Tells the main IDEAS
 4. Your own words & keywords from the text
 5. No opinions!
→ no feelings on the topic
- 

Summary = Central Idea + Important Details - Opinion

Final Product

Key: TP → Theoretical Probability
EP → Experimental Probability

Alice Breazeale
April 3, 2023

Theoretical vs. Experimental Probabilities

DOK 1 1) What is theoretical probability? Theoretical Probability is what we expect to happen.
Example: If I flip a coin, I expect it to land on heads 5 times and it will land on tails 5 times.

DOK 1 2) Which operation is used to calculate the probability of an event?
$$\frac{\text{Number of Favorable Outcomes}}{\text{Total Number of Possible Outcomes}}$$

Example 2: If you flip a coin, what is the probability that it will land on heads?

DOK 2 3) Contrast favorable outcomes and total outcomes.
$$\frac{\# \text{ of Favorable Outcomes}}{\text{Total \# of Outcomes}} = \frac{1}{2}$$

DOK 2 4) Compare and contrast theoretical probability and experimental probability.
Experimental Probability is the actual result of an experiment.
Example: If I flip a coin 100 times, what is the probability it will land on heads. Tally results below.

DOK 2 5) Look at the spinner below.

A
E

I
M

Heads:

Tails:

DOK 3 5a) What is the TP of landing on a vowel?
$$\frac{\# \text{ of Favorable Outcomes}}{\text{Total \# of Outcomes}} = \frac{2}{4} = \frac{1}{2}$$

DOK 3 5b) Asia spins 30 times and lands on a vowel 28 times. What is the EP of landing on a vowel?
Example 2: Based on the experiment above, if we flip the coin 100 times, what is the probability that it will land on heads?

[Continue to next page]

DOK 6) What is the TP of flipping a coin 100 times and it landing on heads?
Based on our experiment, to predict the number of heads flipped out of 100,...

Step 1: Divide the number of favorable outcomes by the total number of possible outcomes.

Step 2: Multiply by 100

$$\square \div 10 \times 100 = \square$$

DOK 3 7) How can I use probability concepts in the real world?
Example 3: Based on our experiment, if we flip the coin 250 times, what is the probability it will land on heads?

Step 1: Divide the number of favorable outcomes by the total number of outcomes.

Step 2: Multiply by 250.

$$\square \div 10 \times 250 = \square$$

Summary: Probability is simply how likely an event will happen. Two types of probability are theoretical and experimental. Theoretical probability is what we expect to happen during an event. This gives all outcomes an equal chance to be selected. For example, when flipping a coin, theoretically, the odds of a coin landing on heads is the same as the coin landing on tails. Experimental probability is the actual result of an experiment. Both can be used to predict future outcomes.

Tuesday

DD/MM/YYYY

DO NOW!

Directions:

- Turn in your homework to the correct shelf.
- Login to iready (Math) and complete the following lessons.

1st: Complete the lesson,
“Understand Percent Concepts”

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

Objective & Purpose

Essential Question: How can mathematics be used to provide models that help us interpret data and make predictions?

Guided Question(s):

1. Guided questions 1.
2. Guided question 2.
3. Guided questions 3

Objective: The student will be able to lose gaps in learning by iReady to enhance their mathematical skills by completing lessons with 80% accuracy.

Lesson Goal(s): I will {write lesson objective here}.

Note Guide

1st

**Understand Percent
Concepts**

- ★ Show calculations for at least 3 problems presented in the lesson.
- ★ Lesson Vocabulary
Ratio

2nd

**Find Percent of a
Number**

- ★ Show calculations for at least 3 problems presented in the lesson.
- ★ Lesson Vocabulary
Equivalent ratio
Rate

Homework

Homework 7th Grade Math (25%)

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 UNRAVEL strategy. This is Mrs. Brassale's version for math.

Homework Problems

1) A bag has 2 red marbles and 2 blue marbles. Jade randomly selects two from the bag, one at a time, replacing the marble after each pick. What is the probability that both marbles are the same color?

Enter your answer in the box as a fraction.

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.

2) When rolling two standard number cubes, what is the probability of rolling at least one 6?

- A) $\frac{15}{36}$
 B) $\frac{6}{36}$
 C) $\frac{11}{36}$
 D) $\frac{5}{36}$

Homework 7th Grade Math (25%)

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.

QUESTION 1		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 <u>writing down these calculations ON PAPER</u> ?		
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.")		
6	Did I use my time wisely? (If your answer is "no," go through the UNRAVEL strategy again and you can answer "yes" to this question in good faith.)		

QUESTION 2		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 <u>writing down these calculations ON PAPER</u> ?		
10	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
11	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!)		
12	Did I answer "PART A" 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 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.	

Wednesday

08/16/2024

DO NOW!

7 minutes

Directions:

1st – Turn in Tuesday’s homework.

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

3rd - Use the checklist to grade yourself.

Bell Ringer
7th Grade Math
(USMA)

Name _____
Period _____ Date _____

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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NOTE
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Bell Ringer Problem

Martina read that approximately 10% of all people are left-handed. She wants to design a simulation to approximate the probability of selecting 2 right-handed people when 3 people are randomly selected.

Part A

In this simulation, Martina has a spinner with sections of equal size. One section is labeled "L" (left) and the rest of the sections are labeled "R" (right). For this simulation to be as accurate as possible, what is the total number of sections that the spinner should have?

Enter your answer in the box.

\$

Part B

Martina spins the arrow on the spinner 3 times and records the resulting letters. Martina performs the simulation 30 times. The results are shown below.

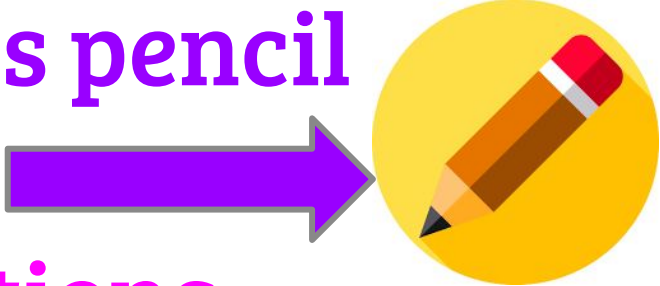
RRR	RLR	RRR	RLR	RRR	RRR
RRR	RRR	RRR	LRR	RRR	RRR
RRR	RRR	RRR	RRR	RLR	LRL
RRR	RRL	RRR	RRR	LRL	RRR
RRR	RRR	LRR	RRR	RRR	RRR

Based on the results, when 3 people are randomly selected, what is the percent of two of those people being right-handed?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

Additional Rules

15 minutes

- 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
E
V
I
E
W**

Bell Ringer Problem

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

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Part A

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Enter your answer in the box.

Part B

Martina spins the arrow on the spinner 3 times and records the resulting letters. Martina performs the simulation 30 times. The results are shown below.

RRR	RLR	RRR	RRL	RRR	RRR
RRR	RRR	RRR	LRR	RRR	RRR
RRR	RRR	RRR	RRR	RLR	LRL
RRR	RRL	RRR	RRR	LLR	RRR
RRR	RRR	LRR	RRR	RRR	RRR

Based on the results, when 3 people are randomly selected, what is the percent of two of those people being right-handed?

- A) 10%
- B) 15%
- C) 20%
- D) 25%

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 <u>writing down these calculations ON PAPER?</u>		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. <u>SHOW IT ALL!</u>)		
5	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
6	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.)		

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 <u>writing down these calculations ON PAPER?</u>		
10	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
11	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. <u>SHOW IT ALL!</u>)		
12	Did I answer "PART A" 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 <u>number</u> of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
<u>Divide</u> the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
<u>Multiply</u> 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 Review

1) A bag has 2 red marbles and 2 blue marbles. Jade randomly selects two from the bag, one at a time, replacing the marble after each pick. What is the probability that both marbles are the same color?

Enter your answer in the box as a fraction.

2) When rolling two standard number cubes, what is the probability of rolling at least one 6?

A) $\frac{12}{36}$

B) $\frac{6}{36}$

C) $\frac{11}{36}$

D) $\frac{1}{36}$

QUESTION 1		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 <u>writing down these calculations ON PAPER?</u>		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. <u>SHOW IT ALL!</u>)		
5	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
6	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.)		

QUESTION 2		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 <u>writing down these calculations ON PAPER?</u>		
10	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
11	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. <u>SHOW IT ALL!</u>)		
12	Did I answer "PART A" 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
<u>Count the number</u> of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
<u>Divide</u> the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
<u>Multiply</u> the quotient from "Box II" <u>by 100</u> 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.	

Objective & Purpose

Essential Question: How can mathematics be used to provide models that help us interpret data and make predictions?

Guided Question(s): How will I analyze and rework problems from my last assessment to enhance and fine-tune my mathematical skills?

Objective: The student will be able to identify silly mistakes & gaps in learning by using the UNRAVEL strategy to rework incorrect problems from their most current assessment with 100% accuracy.

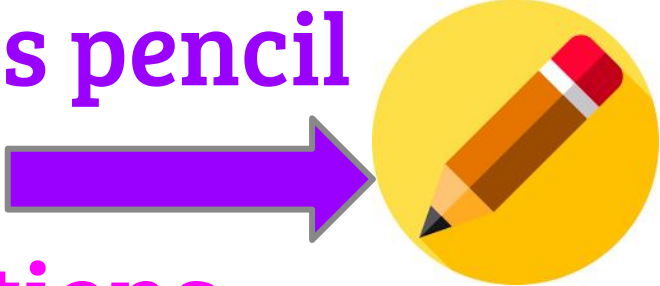
Lesson Goal(s):

I will...

- Examine my MPT 4.2 and determine which mistakes were silly and which ones were gaps in learning.
- Explain, in writing, what the silly mistakes were and what I should have done differently.
- Use the UNRAVEL strategy to rework problems I missed that were gaps in learning.

Additional Rules

15 minutes

- 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.

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REVIEW MPT 4.2

1

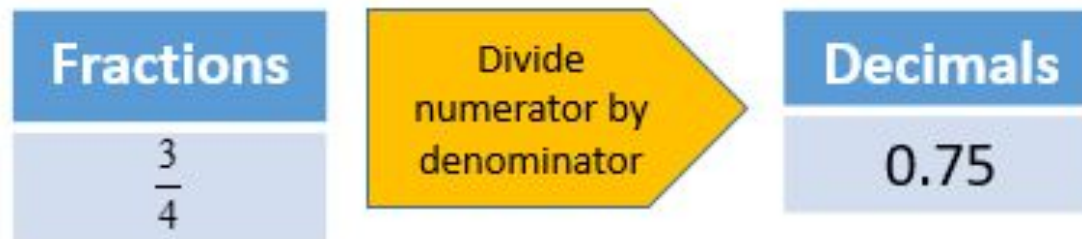
What is the exact decimal equivalent of $\frac{7}{12}$? (7.NS.2)

(A) 0.583

(B) $0.58\bar{3}$

(C) 1.714

(D) $1.71\bar{4}$



$$0.125 = \frac{1}{8}$$

Terminating

Repeating Decimal

$$0.777777 \dots = 0.\bar{7}$$

$$0.81818181 \dots = 0.\overline{81}$$

2

Which expressions have products that are positive?

Select the **two** that apply. (7.NS.2)

A $(-5)(0.2)(-9)$

B $\left(\frac{2}{3}\right)\left(\frac{3}{2}\right)\left(-\frac{1}{2}\right)$

C $(6)(-3)(8)(-7)$

D $\left(\frac{5}{6}\right)(-10)\left(3\frac{4}{5}\right)(2)$

E $(-1.2)(-3.5)(2.7)(-0.8)$



Multiplication Sign Rule

same sign

different sign

$+$ \times $+$ $=$ $+$

$+$ \times $-$ $=$ $-$

$-$ \times $-$ $=$ $+$

$-$ \times $+$ $=$ $-$

3

Angles $\angle ABC$ and $\angle CBD$ are supplementary angles. The measure of $\angle ABC$ can be represented by the expression $(3x + 14)^\circ$, and the measure of $\angle CBD$ can be represented by the expression $(5x + 6)^\circ$. What is the measure, in degrees, of $\angle ABC$? (7.G.5)

- (A) 20.0°
- (B) 40.25°
- (C) 42.50°
- (D) 74.00°

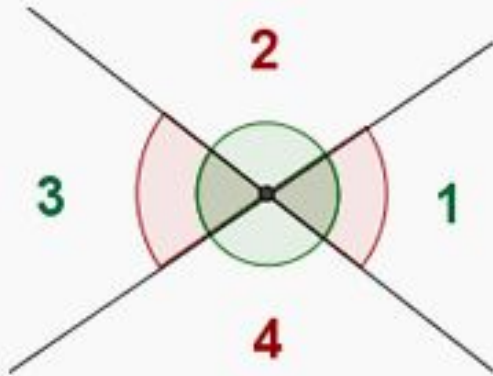
Supplementary
Angles



$$\text{Angle 1} + \text{Angle 2} = 180^\circ$$

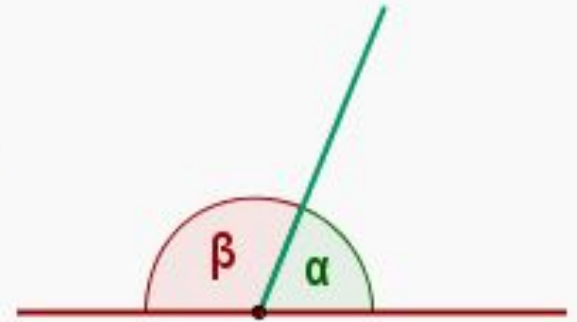
Q3

Vertical Angles



Across from each other
Angle 1 = Angle 3
Angle 2 = Angle 4

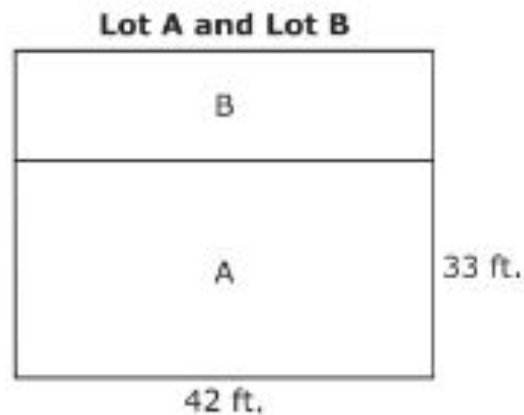
Adjacent Angles



Side by side

4

Two rectangular properties share a common side. Lot A is 33 feet wide and 42 feet long.



The combined area of the lots is 1,848 square feet. How many feet wide is Lot B ? (7.G.6)

- (A) 11 feet
- (B) 14 feet
- (C) 44 feet
- (D) 56 feet

5

Jamie spun a colored spinner 20 times. The results of her spins are shown in the frequency table.

**Colored Spinner
Frequency Table**

Color	Frequency
Red	
Orange	
Yellow	
Green	
Blue	
Purple	

Based on the data in the table, how many times would you expect the spinner to land on green if Jamie spun the spinner 400 times? (7.SP.6)

- (A) 20 times
- (B) 67 times
- (C) 80 times
- (D) 100 times

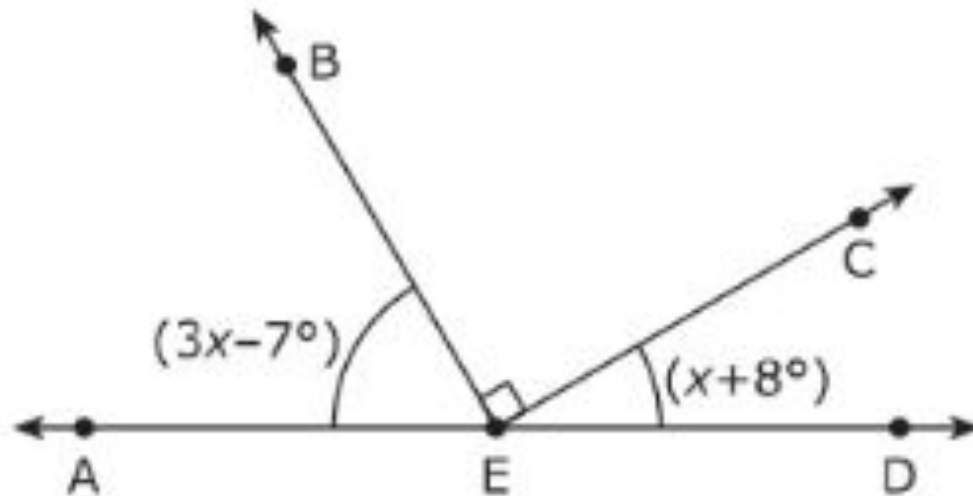
6

A stack of cards is numbered from 1 through 50. If a student selects a card, what is the probability that a student will select a card that has both the same number in the ones place and the tens place? Write the answer as a decimal.

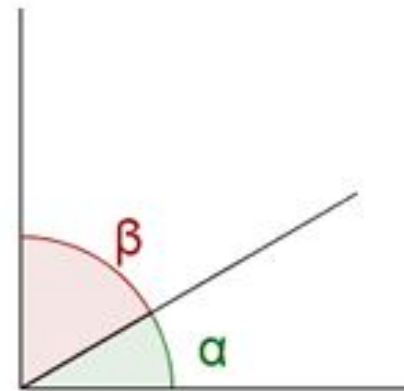
Write the answer in the box. (7.SP.7)

7

A diagram is shown.



Complementary
Angles



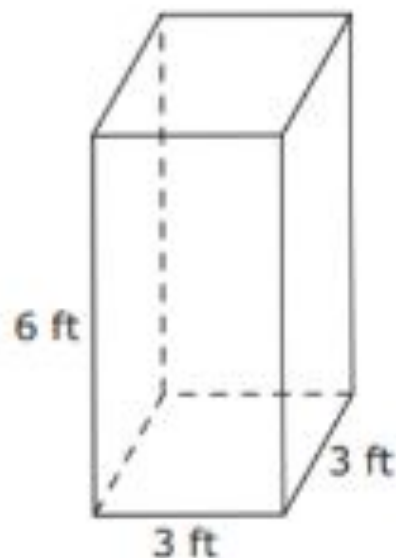
$$\text{Angle 1} + \text{Angle 2} = 90^\circ$$

What is the measure of $\angle CED$? (7.G.5)

- (A) 22.25°
- (B) 26.75°
- (C) 30.25°
- (D) 34.25°

8

What is the surface area of the figure below? (7.G.6)

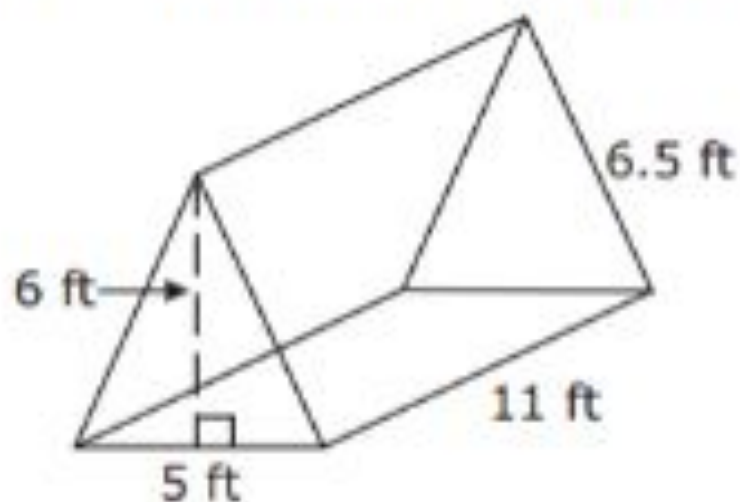


- (A) 12 ft^2
- (B) 36 ft^2
- (C) 54 ft^2
- (D) 90 ft^2

Area (A)	
Triangle	$A = \frac{1}{2}bh$
Parallelogram	$A = bh$
Circle	$A = \pi r^2$
Circumference (C)	
Circle	$C = \pi d$ $C = 2\pi r$
Volume (V)	
General Prisms	$V = Bh$

9

What is the volume of this triangular right prism? (7.G.6)

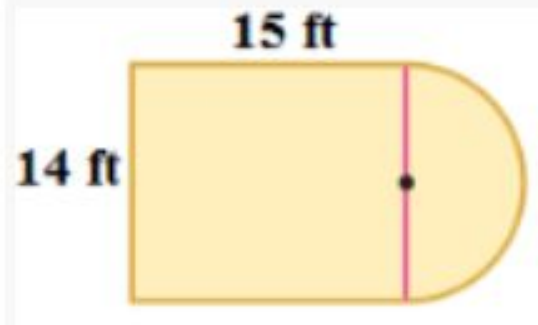


- (A) 165 ft^3
- (B) 330 ft^3
- (C) $1,073 \text{ ft}^3$
- (D) $2,145 \text{ ft}^3$

Area (A)	
Triangle	$A = \frac{1}{2}bh$
Parallelogram	$A = bh$
Circle	$A = \pi r^2$
Circumference (C)	
Circle	$C = \pi d$ $C = 2\pi r$
Volume (V)	
General Prisms	$V = Bh$

10

On a blueprint, a rectangular room 15 ft by 14 ft has a semicircular sitting area attached with a diameter of 14 ft. (7.G.6)



What is the total area of the room and the sitting area?
Use 3.14 for π .

- (A) 158.86 ft^2
- (B) 286.93 ft^2
- (C) 363.86 ft^2
- (D) 517.72 ft^2

Area (A)	
Triangle	$A = \frac{1}{2}bh$
Parallelogram	$A = bh$
Circle	$A = \pi r^2$
Circumference (C)	
Circle	$C = \pi d$ $C = 2\pi r$
Volume (V)	
General Prisms	$V = Bh$

Bonus Activity

***If time allows...**

Tonight's Homework

Homework 7th Grade Math (25pts)

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.

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 UNRAVEL strategy. This is Mrs. Swanson's version for math.

Homework Problem

Students in math class will be randomly assigned a polygon for a class project. The only types of polygons being assigned are quadrilaterals, pentagons, hexagons, octagons, nonagons, and decagons. There is an equal number of each type of polygon.

Part A

What is the probability that the first polygon assigned will be a nonagon?

Enter your answer in the box as a fraction.

\$

Part B

What is the probability that the first polygon assigned will be a nonagon and the second polygon assigned will be a hexagon or an octagon?

- A) $\frac{1}{4}$
 B) $\frac{1}{12}$
 C) $\frac{1}{6}$
 D) $\frac{1}{2}$

Homework 7th Grade Math (25pts)

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?	<input type="checkbox"/>	<input type="checkbox"/>
2	Did I predict which operation or operations to use while reading the problem and circling key words and numbers?	<input type="checkbox"/>	<input type="checkbox"/>
3	Did I apply the steps to solve while <u>writing down these calculations ON PAPER?</u>	<input type="checkbox"/>	<input type="checkbox"/>
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. <u>SHOW IT ALL!</u>)	<input type="checkbox"/>	<input type="checkbox"/>
5	Did I answer "PART A" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")	<input type="checkbox"/>	<input type="checkbox"/>
6	Did I use my time wisely? (If your answer is "no," go through the UNRAVEL strategy again and you can answer "yes" to this question in good faith.)	<input type="checkbox"/>	<input type="checkbox"/>

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

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.	<input type="text"/>
Divide the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	<input type="text"/>
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.	<input type="text"/>
Round the product from "Box III" to the nearest whole number if needed: <u>this is your predicted score.</u>	IV.	<input type="text"/>

Thursday

04/17/2024

DO NOW!

7 minutes

Directions:

1st – Turn in Wednesday's homework.

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

3rd - Use the checklist to grade yourself.

Bell Ringer
7th Grade Math
(2018)

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 UNRAVEL strategy. This is Mrs. Breasale'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 Problems

1) Dawn has mismatched socks in a drawer. She has 3 white, 2 red, and 1 green sock. Dawn randomly selects two socks from the drawer. Which is the probability that she selects a matching pair?

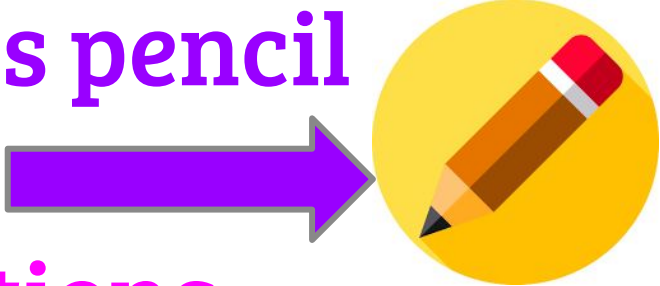
Enter your answer in the box as a fraction.

2) Lucia has a four-digit passcode on her phone. You know her code only uses the digits 0 and 1. What is the probability of guessing her passcode on the first try?

Enter your answer in the box as a fraction.

Additional Rules

15-20 minutes

- 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.

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Bell Ringer Problems

1) Dawn has mismatched socks in a drawer. She has 3 white, 2 red, and 1 green sock. Dawn randomly selects two socks from the drawer. Which is the probability that she selects a matching pair?

Enter your answer in the box as a fraction.

2) Lucia has a four-digit passcode on her phone. You know her code only uses the digits 0 and 1. What is the probability of guessing her passcode on the first try?

Enter your answer in the box as a fraction.

Homework Review

Students in math class will be randomly assigned a polygon for a class project. The only types of polygons being assigned are quadrilaterals, pentagons, hexagons, octagons, nonagons, and decagons. There is an equal number of each type of polygon.

Part A

What is the probability that the first polygon assigned will be a nonagon?

Enter your answer in the box as a fraction..

Part B

What is the probability that the first polygon assigned will be a nonagon and the second polygon assigned will be a hexagon or an octagon?

- A) $\frac{1}{36}$
- B) $\frac{1}{18}$
- C) $\frac{1}{6}$
- D) $\frac{1}{2}$

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 <u>writing down these calculations ON PAPER?</u>		
4	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do NOT erase previous work. <u>SHOW IT ALL!</u>)		
5	Did I answer "PART B" correctly? (Only check "yes" if you are certain. If you have any doubts, mark "no.")		
6	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.)		

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 <u>writing down these calculations ON PAPER?</u>		
10	Did I eliminate incorrect answer choices when necessary? (Can I justify why I eliminated incorrect answer choices if called upon by the teacher?)		
11	Did I let my answer stand and/or rework the problem if I felt I calculated incorrectly? (Do not erase previous work. <u>SHOW IT ALL!</u>)		
12	Did I answer "PART A" 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 <u>number</u> of boxes you checked "Yes" and record this sum in the space provided to the right, "Box I."	I.	
<u>Divide</u> the sum from "Box I" by 12. Record this number in "Box II," the space to the right.	II.	
<u>Multiply</u> 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.	

Objective & Purpose

Essential Question: How can mathematics be used to provide models that help us interpret data and make predictions?

Guided Question(s):

1. Guided questions 1.
2. Guided question 2.
3. Guided questions 3

Objective: The student will be able to {write lesson objective here}.

Lesson Goal(s): I will {write lesson objective here}.

**TBA based on
MPT 4.2.**

Tonight's Homework

Homework 7th Grade Math (7.5A)

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 UNRAVEL strategy. This is Mrs. Bressette's version for math.

Homework Problem

A taco shop makes tacos with chicken, beef, or vegetable filling, a hard or soft shell, and red or green salsa. There is 1 taco of each combination in a box. Suppose you select the first taco from the box at random. What is the probability the taco has chicken filling but not red sauce?

Enter your answer in the box as a fraction.

Name _____

Period _____ Date _____

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.

UNRAVEL 7th Grade Math

Name _____

Period _____ Date _____

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

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 UNRAVEL strategy. This is Mrs. Bressette's version for math.

	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 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 the problem 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 5. 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.	

Friday

04/19/2024

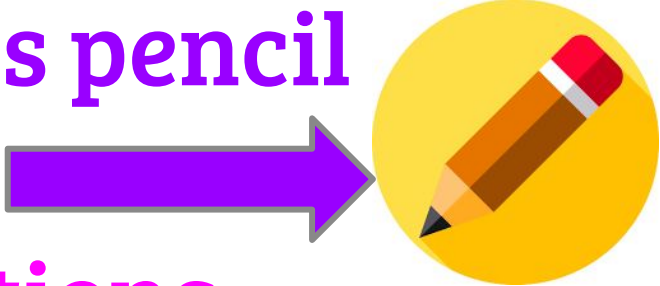
DO NOW!!!

Directions:

- 1st – **Turn in Thursday's homework** to the correct shelf.
- 2nd – Login to Prodigy.
- 3rd – Answer 25 question minimum.

Additional Rules

15-20 minutes

- 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.

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W**

Homework Review

A taco shop makes tacos with chicken, beef, or vegetable filling, a hard or soft shell, and red or green salsa. There is 1 taco of each combination in a box. Suppose you select the first taco from the box at random. What is the probability the taco has chicken filling but not red sauce?

Enter your answer in the box as a fraction.

Objective & Purpose

Essential Question: How can mathematics be used to provide models that help us interpret data and make predictions?

Guided Question: How will I use vocabulary, strategies and skills to correctly answer 25 MAAP style questions.

Objective: The student will be able to answer 25 MAAP style questions by playing Prodigy with 100% accuracy.

Lesson Goal(s): I will use vocabulary, strategies and skills to correctly answer 25 MAAP style questions.