School $\qquad$ Student $\qquad$ Team

## Daily Activities and Record Sheet - Packet 2

To access this packet as a PDF with live links, go to www.vigoschools.org, "Click here for instructional packets".
Each remote learning day allows students to complete work assignments at home as opposed to attending a day at school. Keep this record sheet and completed student work until collection procedures are determined. Instructional packets will be graded according to effort, participation, and completion. These activities cover many subject areas and support social and emotional learning.

Your child may use a book of choice (book from home, library book, textbook, electronic resource, etc.). Select grade level appropriate reading material and read for 20 minutes, complete the Daily Reading Log, and then choose two Reading/Writing activities and one Math lesson daily (Day 1 or Day 2). Record the activities and lessons on the Daily Log of Remote Learning.

| Daily Reading Log <br> Name of Reading Material Selected | Parent/Guardian <br> Initials for <br> Completion | Date(s) <br> Completed |
| :--- | :--- | :--- |
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|  |  |  |

List activities completed on this Daily Log of Remote Learning. If your child's teacher has given additional assignments, you may list this work as well.

| Daily Log of Remote Learning <br> ${ }^{* *}$ Use the back side of this page for additional records if needed ${ }^{* * *}$ | Parent/Guardian <br> Initials for <br> Completion | Date(s) <br> Completed |
| :--- | :---: | :---: |
| Example List of an Activity Completed: <br> (Bolded activity name from packet) |  |  |
|  |  |  |
|  |  |  |


| Reading and Writing Activity Descriptions | Parent/ Guardian Initials for Completion | Date(s) Completed |
| :---: | :---: | :---: |
| Character Award Winner (Honesty, Leadership, Respect, Citizenship) <br> You have probably heard many Character Award Nominations read over the announcements, in an assembly, or during B.U.G. Club over the years. You might have even been nominated for one yourself! Now it is your turn to do the nominating. Choose 4 character traits that are most important to you (respect, kindness, flexibility, generosity, responsibility, trustworthiness, sportsmanship, assertiveness), and think about the people in your life who are the best representatives of those traits. Write a Character Award Nomination for each trait you chose that explains who in your life deserves to win that Character Award and why. <br> Bonus: If you are able to, present your nomination to your nominee. You can even create your own certificate! |  |  |
| History Now (Honesty, Perseverance) <br> Historical fiction features events and settings that are typical of a particular period in history. Characters in historical fiction speak and act like the people from a particular time and place in the past. Historical fiction often includes real as well as made-up people and events. For example, a story with made-up main characters might mention an actual historical figure, such as a president. Imagine it is 50 years in the future. Write a short, historical fiction narrative about life in 2020. |  |  |
| Flip the Script <br> Think of a short scene you love. It could be from a book, TV show, movie, YouTube video, or other form of social media. Read or watch the scene a few times and pay close attention to how the character or characters speak, what the setting is, and the dialogue used. Now, throw the characters into a whole different setting and rewrite the scene! Maybe Darth Vader and Luke Skywalker are no longer in space but on a farm in Texas. Perhaps Greg Heffley is now writing in his diary (JOURNAL) from one of the Original Colonies in 1776. Rewrite the lines of dialogue from that scene so the dialogue matches the setting. Keep the plot the same! Make sure you punctuate and paragraph your dialogue correctly so it's easy to follow. |  |  |
| Silent TV <br> - Find a TV show (one that you are allowed to watch, of course!) and watch 5 minutes of it with the sound turned off. Write down a summary ( $3-5$ sentences) of what you think that show is about. Then turn on the Guide and read the summary of that show. How close was your summary to the real one? Find a different show and repeat the process. How accurate was your summary? Now try it with another show but this time turn the sound up. After 5 minutes, write a summary of the plot. Check the guide for that show. Was this summary more accurate? |  |  |
| Home/School Compare and Contrast (Responsibility) <br> Draw a Venn diagram like this: Make it big enough that you can write several phrases in it. Think about all the ways learning at home is the same as learning at school. Write those ideas in the middle section. Now think of all the differences between home learning and school learning and write them in the big sections of the circles. Show your Venn diagram to a sibling, parent, or grandparent. See if they can think up even more ways to compare and contrast home/school. Add their ideas to the diagram. Using your notes to produce evidence, write an essay discussing which you prefer, learning at home or at school. |  |  |
| Correct The Paragraph <br> On a separate piece of paper, rewrite the paragraph correcting all the errors. There may be spelling, punctuation, capitalization, or grammar errors. <br> At the start of school Dora was afrad of her new Teacher Mrs. Davis seamed nice but she had so manny rules for the class to folow Scare someone to pieces as the school year cotinued Dora begun to understan how the Teacher come up with the rules The rules were their so students would be respecful of theyselves and each other rules are imporatnt in society By the end of the year Dora though Mrs Davis was the best Teacher she evere had |  |  |
| Yesterday vs. Today (Caring, Perseverance) <br> https://www.poetryfoundation.org/poems/45474/o-captain-my-captain <br> - Read "Oh Captain, My Captain", a poem by Walt Whitman about a captain who dies just as his ship has reached the end of a stormy and dangerous voyage. The captain represents Abraham Lincoln, who was assassinated just as the Civil War was ending. <br> - Because of Covid-19, we are currently in the midst "of a stormy and dangerous voyage." Thinking of "the captain" as being doctors and nurses on the front line some of which have lost their lives, recreate this poem with them as inspiration. You may use lines from the poem as you relate our current situation to that of the war. |  |  |

## Is Everlasting Life Something We Would Want? (Responsibility, Perseverance, Fairness)

- "Don't be afraid of death; be afraid of an unlived life. You don't have to live forever, you just have to live." Natalie Babbitt's Tuck Everlasting.
- You have all read Tuck Everlasting. Read the article about extending our life span. Using the quote above from Angus Tuck, state your opinion about living longer (or even forever). Use evidence from the article and Tuck Everlasting to make your point.
https://newsela.com/read/people-lifespans/id/22660/
- If you don't have access to the article, what do you think it would be like for the Tuck's having the power to live forever during this coronavirus pandemic? How would it be positive? How would it be negative? Write your thoughts about being Angus, Mae, Miles, or Jesse Tuck in the spring of 2020.


## Journaling (Honesty)

Whether we're kids or adults, this is a time worth documenting, so write about it daily. Make a list of things that are different between today and yesterday. You can write it out as a detailed list. You can turn it into a what's in/what's out list, like the kind that you see around New Year's. You can write daily poetry. You can do a drawing journal drawing items that are important to you (ex: your dog) or items that remind you of the day's events (ex: a podium representing daily presidential conferences) Journal about anything that will help you document this moment in time. You are creating a piece of history.

## Emulate An Author (Aspiration)

https://www.nbclearn.com/writers-speak-to-kids/cuecard/61694

- Douglas Florian, author and illustrator of many children's poetry books, discusses what makes a good poem, how he plays with words, and what he likes best about writing. This video is part of the NBC Learn original series, "Writers Speak to Kids."
https://www.nbclearn.com/writers-speak-to-kids/cuecard/60817
- Jeff Kinney, author and illustrator of the Diary of a Wimpy Kid series, discusses his writing process and how he creates characters. This video is part of the NBC Learn original series, "Writers Speak to Kids."
- These two authors have vastly different styles even though they are both illustrators. Listen to or read both interviews and choose ONE to copy the stylistic elements that the writer uses. Attempt a poem with an illustration made from something around you as Mr. Florian does or give Greg Heffley an awkward adventure that you have experienced yourself.


## Unsolved Mysteries (Paired Text) (Citizenship, Responsibility)

https://www.readworks.org/article/Unsolved-Mysteries/f86c241f-4cdd-48e4-96c3-
669c7c0d5974\#!questionsetsSection:2663/contentSection:e0751c9b-0140-4997-8502-
90f0a67354ab/articleTab:questionsets/
These two articles come from ReadWorks.org. If you have online access you will read two very suspenseful stories that are similar in theme. Then on a blank piece of paper, answer the following questions and complete the writing activity using information from both articles.

1. What is similar about what happens at the end of "An Unexpected Trip" and what happens at the end of "The Run"?
2. Why might an author provide clues about what is happening in a story instead of simply explaining it? Find two examples of this (one in each story) and explain how this helps the plot of the story.
3. "The Run" is eerily close to what we as a society have recently been enduring. Compare and contrast actual events occurring in our world today to events that occurred in "The Run". Can you include anything in your writing that compares or contrasts to "An Unexpected Trip" with the events in our world today?

## Lessons In Sports (Success, Responsibility, Aspiration, Leadership, Perseverance, Fairness)

https://newsela.com/read/sports-lessons-coronavirus/id/2001007092/

- You have probably had a sport delayed or canceled because of Covid-19. Sports are important for a variety of reasons. You get exercise, make friendships, learn skills, but most importantly you learn discipline. This article states that in sports you learn to pay attention, be a good teammate, and deal with disappointment.
- Do you have an experience that is similar to or related to the one described in the text? (If you don't have access to the article online, just refer to your own knowledge of your sport in regard to paying attention, being a good teammate, and learning to deal with disappointment.) Write a narrative (a story) that describes an experience that you've had with one (or all) of those things. Include relevant details and make sure your story is clearly structured.


## Family Writing/Drawing Activity (Honesty, Respect)

Get the members of your family together in one room. Everybody gets two pieces of paper. On page one, describe a character. Please include the following:

1. What your character looks like (big, pink, hairy, human)
2. What your character is wearing
3. Your character's favorite food, sport and hobby
4. Your character's favorite expression
5. Your character's current problem
6. Now everyone passes that paper to the right. On your blank page, draw the character you were handed. How did it feel to have someone else bring your character to life?
7. Another way is to do this prompt with a friend. It's a great way to get in touch especially since you are no longer seeing your friends each day. Send the results back and forth by email or text with the help of a parent or guardian.

## Graphic Novel-Celebrating Differences (Citizenship, Respect, Caring, Perseverance, Fairness)

https://choices.scholastic.com/issues/2019-20/020120/she-s-celebrating-differences.html

- This resource introduces you to Jordan Reeves, now 14, who has a disability due to being born with one functional arm. She developed an arm with a 3D printer that looked like a sparkly purple unicorn that sprayed glitter. One internet post by her mom turned her into a sensation that has allowed her to become an activist for people with disabilities. She has worked with Mattel to create a Barbie with a prosthetic limb and has inspired the "Marvel's Hero Project" that has turned people with disabilities into superheroes in graphic novels.
- Create your own Graphic Novel (one page minimum) using the template provided in the link about a superhero in your life. If you can't access the link, use a blank page with six comic boxes. What does that person do that makes him/her a superhero in your eyes? Illustrate that in a graphic novel format.


## Get Gif-Y With It! (Success, Aspiration, Perseverance)

https://action.scholastic.com/issues/2019-20/030120/he-makes-gifs-for-a-living.htmI

- Can you believe that someone is actually lucky enough to make GIFs for a living? Well, Danny Chang is that person and is introduced in this article. He said a good GIF "has to be short and look good as it loops - or plays on repeat." (Activities can be completed with or without reading the article in the link.)
- Create a GIF using four frames (as Andrew Chang did in the article). You can take pictures, videos, or draw them. What action is happening in the GIF and in what situation would you use it? Share it with someone and write about their reaction.

OR

- Get that job! In the article, Danny Chang explains he's good at his job because he's a people person, he can be trusted, he works hard, he listens, and he takes in information. What are five skills or personality traits that you have that would make you good in Mr. Chang's business of creating GIFs? Make a video to tell Danny why he should hire you as his assistant. Let him know which skills and traits you share with him, and which new skills you can bring to the team!


## Lolly, Lolly, Lolly Get Your Adverbs Here

https://www.youtube.com/watch?v=xYTknwQA ys\&feature=youtu.be
Watch the School House Rock video about adverbs and answer all of the following questions.

- What is an adverb?
- List 4 adverbs that were used in this video.
(If you don't have access to the video, complete this question only.)
- Write a sentence with each adverb listed below. Let's try using the number of words based on our age. If you're 12 - then a 12 word sentence. If you're 14 - then a 14 word sentence. We need to be descriptive writers. Pay attention to conventions.
Abnormally, gratefully, fondly, joyfully, frantically, correctly, positively


## Parts of Speech Poem

Think about all parts of speech. Show your poetic ability and write 3-5 parts of speech poems. A parts of speech poem has five lines.

- Line 1 has an article and one noun
- Line 2 has one adjective, one conjunction, and another adjective
- Line 3 has a verb, a conjunction, and another verb
- Line 4 has one adverb
- Line 5 has one preposition and one object of the preposition Example: The tree
Gnarled and spooky Creaking and groaning Eerily Behind me


## Triangular Sentence

Using the parts of speech listed, write 3-5 triangular sentences. Can you write one about the Coronavirus?
Noun
Verb (Does what?)
Adjective (What kind?)
Adverb (How does it do it?)
Prepositional phrase (Where does it do it?)
Write the whole sentence. (Add an article)
Ball
Ball bounces
Orange ball bounces
Orange ball bounces loudly
Orange ball bounces loudly in the gym
The orange ball bounces loudly in the gym.

## This is Using Voice (Said in the voice of the intro to The Voice)

The author's voice refers to a writer's style, the quality that makes their writing unique. A character's voice is the speech and thought patterns of characters in a narrative. The latter voice is one of the most vital elements of a story for readers of fiction.
https://www.storylineonline.net/books/arnie-the-doughnut/

- If you have access, listen to Arnie the Doughnut by Laurie Keller as read by Chris O'Dowd. This author takes an inanimate object (a doughnut) and gives it a voice. Arnie's attitude changes from being excited at being chosen by Mr. Bing to becoming terrified when he realizes what he was chosen for - to be eaten. Mr. Bing and Arnie discuss other uses for Arnie so that he can be saved which proves to be very difficult. Finally Mr. Bing comes up with a great idea...he can't have a pet where he lives, so Mr. Bing keeps Arnie as his "dog doughnut" for companionship. Crazy, huh? Because of the voice that Ms. Keller gives to Arnie, you feel really bad for him because the voice makes him so real.
- Pick an inanimate object in your home (a fork, a statue, a key chain, etc.). What voice could you give to it? What adventure could it go on? Write a narrative OR create a picture book to share with a younger sibling about this object.

Counting Isn't Only Important In Math (Citizenship, Responsibility)
https://newsela.com/read/why-census-counts-everyone/id/2001007238/write?collection=339

- Unlike in "The Phantom Tollbooth" by Susan Nanus drama you may have studied in 6th grade where the Senses Taker attempts to take Milo's senses to distract him by attempting to get information from him like, "When you were born, where you were born, why you were born, how old you are now, how old you were then, how old you'll be in a little while..." (p. 512 PH Lit), here REALLY is a CENSUS TAKER (note the spelling). Now it can basically be completed online so that you don't have to speak to a random person at your doorstep. They don't give up easily because there is a need for people to be counted. The Census information collected has a true purpose. It can help a state to determine how many seats it will have in congress or how to divide up federal money to be used efficiently for the state's population. Your parents/guardians have received information about filling out the Census. Check with them to see if you can look at the information asked of them in the Census to use as a possible reference for your writing.
- Read the article in the link provided, if possible. Describe what you think the author's purpose was for writing the article (inform, persuade, entertain) and whether you think the author was successful.
- If you can't access the article, write a persuasive piece indicating whether you believe it is important to have an accurate count of citizens in the United States. Give evidence to back up your reasoning. You may talk to adults in your household as a reference.


## Meet Author Ka Holt (Author of House Arrest, a verse novel) (Perseverance)

https://www.youtube.com/watch?v=70HMaowH Sc\&feature=youtu.be

- Verse novels are very popular. They're written in short poems to complete the plot of a story. In this video Ms. Halt reads from her verse novel House Arrest (Doesn't it feel like the Coronavirus has done this to us?). Timothy is the main character of this book who gets caught for stealing a credit card to buy medicine for his sick brother. For probation, he has to journal about how his mistake of stealing was wrong - even though he doesn't think it was wrong.
- Ms. Holt discusses how she writes in verse and how she uses the blank space of the page. She uses it to create rhythm. She uses it to show you how Timothy is feeling. With short lines, she's making the pace go faster. Sometimes she separates the words to create a strong feeling Timothy is trying to make. ("So. Much. Trouble. If. We. Get. Caught! But we didn't get caught.")
- If you have access to the link, listen for figurative language in what she's reading. Listen for hyperbole (exaggeration), assonance (repetition of vowel sounds), metaphors, similes. How are they used? Stop the recording, back it up, and listen to it twice or three times to get the feel of how this author is using language.
- If you do or you don't have access, no problem. We're all poets! Write your own verses about being stuck in your home during this historic time. It's kind of like being on house arrest. Write about the good, the bad, and the ugly. This could be a time to really put your feelings on paper instead of keeping them inside. Use figurative language in your writing. Play with words and sentence formation (Remember, you have poetic license - no rules! How many times does your English teacher tell you that?)


## I Need A Break

- We are all venturing into this new world of learning online. We can't sit down with our packets or our device and complete everything at once. Throughout a normal school day you don't sit in one spot and do a week's worth of assignments at one time. There are a lot of breaks built into our school day. To take a break at home we may get up from our workspace and step outside for some fresh air to give us a break.
https://newsela.com/read/ela-favorite-five-minute-
breaks/id/2001007401/write? utm source=aotd\&utm medium=email\&utm campaign=test-1\&utm content=ela-aotd-1\&collection=339
- If you have access, read the attached link from newsela. Make and support a claim about why someone who is learning remotely should read this story. What makes this story worth reading during this time in our lives. Support your response with specific details from the story.

OR

- If you do not have access, come up with five ideas that a student could do around the house to take a five-minute break. If you've read the story, you may not use one listed. Be creative. What could you do on your "passing period"? Write the title "Get Fresh Air" and then in one paragraph describe what that looks like.


## It's In The Mail (Caring)

- Now is a great time to write letters to loved ones or friends who you rarely get to see. Send that letter through "snail mail" and ask that they respond to you in the same way. Of course, if you're writing to someone you rarely see, you'll want to make sure that your writing mechanics and letter format are on point. Here is a letter that a boy named Daniel sent to his friend Nick inviting him to his birthday party. There are too many errors. Daniel will take one look at this letter and be frightened away because of Nick's lack of writing skills. On a separate sheet of paper, rewrite the letter (in friendly letter format) making all corrections in capitalization, punctuation, paragraphing, and spelling errors.
- dear daniel u r invited 2 celebr8 my 13th birthday with my family + me We will b camping overnight at bat cave camp in shakamak state park We'l hike swim and fish at the park. We will leave at 10.00 am from my house at 9231 cypress road on satruday the 16 th ur parents can pick u up at 6-00 pm at my house on sunday the 17th or u can call them for a ride home aftre we get back We will have a tent food and cooking gear. U will need to birng the following items a sleeping bag a flashlight extra batteries hiking boots a cap insect repellent sunscreen an all you're clothing. If u have a fishin poll you mite want to bring it along? Please call 555-3020 to let us no if $u$ will b able 2 come I shure hope $u$ can you're Friend Nick.
- Ask your parent/guardian for a blank envelope. If you don't have one, draw an example of one on your paper. Address the envelope with your actual return address in the appropriate place while using this FAKE address for Daniel whose full name is Daniel Jones: 853 walt disney way, orlando, FL 32771 (Do not actually send it or it will be returned to sender saying this address does not exist.) Draw a pretend stamp where the stamp belongs.


## Hope Is The Thing With Feathers (Aspirations)

- In these trying times, we need hope. We need hope for those that are sacrificing daily due to this terrible virus. We need hope that our home, our school, our city, our nation, and our world will soon return to normal. Read this poem and answer the questions on a separate sheet of paper.

1. What is the theme of this poem?
2. Read lines 6-8. What does the word "abash" most clearly mean, based on these lines?
3. Read lines 6-12. What does "it" refer to in the last line?
4. According to the poet, where does hope live"
5. Read lines 4-8. Based on these lines, what is an important characteristic of hope, or "the little bird"? 6. Read lines 9-12. Describe the speaker's personal experience with hope. Use evidence from the poem to support your description.
6. Following the format of this poem (4 line stanza, $a b a b$ rhyming pattern) write one stanza about hope through your eyes.

> Hope is the thing with feathers
> That perches in the soul,
> And sings the tune without the words,
> And never stops at all,
> And sweetest in the gale is heard; 5
> And sore must be the storm
> That could abash the little bird
> That kept so many warm.
> I've heard it in the chilliest land,
> And on the strangest sea;
> Yet, never, in extremity,
> It asked a crumb of me.

## Pick Your Favorite Song

- Look up the lyrics to your favorite song. You'll need to actually SEE the lyrics for this assignment (on a device or print them out). See what poetic devices that you can find. Look for at least three different examples of these devices such as similes, metaphors, onomatopoeia, alliteration, imagery, assonance, consonance, hyperbole, syncope or repetition. In three fully developed paragraphs, write about these lyrics.
- Paragraph one: Discuss the name of the song and the artist and why this song is the one you chose for this assignment. What is the theme of this song? How do you come to this conclusion? What is the mood of this song?
- Paragraph two: Tell about the three different poetic devices that you found. List the line from the lyrics and what type of poetic device it is (simile, metaphor, etc.). How does that line contribute to the overall theme of this song? Make sure to discuss each one separately within this paragraph. Remember, you should have found three different types of devices (ex: simile, hyperbole, alliteration).
- Paragraph three: What is your overall reaction to this song? Why is it your favorite? What have you discovered about the song now that you have studied it and thought about the lines?


## Found Poetry (Citizenship)

- Using old magazines, newspapers, food boxes, junk mail, or any other material with printed words, make your own found poems.
- Cut out at least five words for the following parts of speech: nouns, proper nouns, pronouns, verbs, adverbs, adjectives, prepositions, and conjunctions. Use the words you cut out to create as many poems as you can. ${ }^{* * *}$ GET PERMISSION BEFORE YOU CUT ANYTHING!!!***
- Hint: Try a haiku. They are only three lines with 5 syllables in the first line, 7 in the second, and 5 in the third. Remember, haiku generally emphasizes simplicity and focuses on images in nature. OR https://newsela.com/read/2020-olympics-postponed-coronavirus/id/2001007234/
- Read this article from Newsela about the postponement of the Tokyo Summer Olympics. Highlight significant words in the article. Make sure you have a good sampling of all parts of speech. Create a Found Poem from the beginning to the end that truly captures the theme of this article. Remember, with poetry you have poetic license. You need not worry about your typical convention rules, but the theme from the article needs to be evident. You may be able to do this with five words or twenty-five+ words. Be creative.


## Word Art (Concrete Poetry)

- Choose one noun, one verb, one adjective, and one adverb to illustrate using the meaning of the word. For example, if your noun is "mountain," your letters might all be tall, pointed, angular, and jagged. You might draw people or goats climbing up the sides of them, snow on top, or lakes and trees on the bottom.
- Bonus: Try an antonym edition!


## Social Media Manager (Success)

- There is a place for social media/text lingo...in social media and texting. There is no place for this lingo in the rules of standard English. Think of this as you complete this task.
- Congratulations! You are now the social media manager for your favorite celebrity. They hired you because they want help making their social media look more professional. Below are some things they've written on their social media in the past. Rewrite them so they are not only correct but sound professional too!

1. dis my BFF 4 LYFE we ben thru sum TUFF STUFF but we 2gether thru THIC N THIN!!!! TIRED!!!! up I8 workin' on new thangz 4 mi FANS! \#onthegrind \#hustle
2. just landed n paris france so beautyful bout to go c wut the eiffel tower like but dunno 'cuz i ain't about them HITES!!!! hahahaha for real tho wish me luck.
3. Find an actual social media post with obvious mistakes and write it according to the rules of standard English. Was this lingo used for a reason?(Reference where you found it.)

## Between The Lines

- Writers know the smallest things can make a BIG difference in writing, and depending on how it's written, the same word can mean or imply many different things. For example:
"OKAY!!!"
"Okaaay...."
"Okay."
"Okay?"
"Okay?!"
- Use each piece of dialogue above in a different sentence that goes along with how it's written.
- Bonus: Illustrate each sentence as well!

1st Person/3rd Person Family Stories (Caring)

- Think of a fun family story that included you. Write the story the way you remember it. Be sure to add LOTS of details that the reader can picture. Now you have a good story told from the $\mathbf{1 s t}$ person point of view.
- Now ask someone else in your house (or call someone on the phone) to tell you a fun family story that you were NOT there to see. Ask questions to make sure you understand the details of the story they are telling you, then write down this story. Now you have a story told from the 3rd person point of view. Share these stories with your family, in person or on the phone.


## Drama Llama

- Many of us have dreamed about being on television or the star on a movie, but do you have what it takes? Actors must be bold in their actions and bold in their speaking to draw and keep the attention of their audiences. They must be...DRAMATIC!
- Choose any reading material in your household. It can be anything, from your favorite novel to a cereal box. For 10 minutes, read it out loud as dramatically as you can. Change the pitch and volume of your voice, make facial expressions, use hand gestures...whatever it takes to bring the drama! The crazier you think you look and sound, the better.
- Bonus: If you have Internet access, check out the following YouTube videos to psych yourself up.
- Channel: C.A. House Music
- Video Title: A Dramatic Reading of Duck Tales Theme
https://www.youtube.com/watch?v=cmWuQq7-II4
- Video Title: A Dramatic Reading of Never Gonna Give You Up by Rick Astley https://www.youtube.com/watch? $\mathrm{v}=0 \mathrm{rC7} \mathrm{KCFrBg}$


## "The Answer To Everything Is No" Day

- We all know about "Crazy Hair" Day or "Favorite Sports Team" Day. Imagine a normal school that turns into "The Answer to Everything is No" Day. From the minute you wake up, every question you ask your family, your teachers, your friends, your bus driver, the cafeteria ladies -- the answer is always "No!" Use your imagination and write this story, telling about your day. Be careful with your punctuation. Remember, each time someone different speaks, you need to indent for a new paragraph. Although dialogue is essential to this story, be careful using ONLY dialogue. Think of the elements of a story: Exposition, Rising Action, Climax, Falling Action, Resolution, characters, conflict, setting, plot, and theme.


## Stretching The Truth With Hyperbole

Sometimes it's fun to exaggerate. Hyperbole is a kind of figurative language where the author purposely stretches the truth to make the story more fun to read. (Examples: This bag weighs a ton. OR These shoes are killing me.) On a lined piece of paper or in a notebook, write a simple paragraph about what you did yesterday, even if it was nothing exciting. Be sure to skip a line each time you write on a new line. Now go back and see if you can find $4-5$ places to add in a hyperbole. Don't be afraid to tell a whopper! Now read it out loud and enjoy how much more fun it sounds.
Ex: (Without hyperbole) I walked to the mailbox yesterday. (With hyperbole) My mailbox was a million miles away, but I walked there anyway.

## Math Lessons

Indiana Glencoe Math Course 2 - Each lesson is a two day activity.
Math activities are listed below in alignment with the district's math curriculum, pacing guide, and have been chosen because of their importance to prepare students for the next grade level. Some of these lessons may have been completed earlier in the school year. Since they have been identified as important topics to prepare your child for the next grade level, it is a great practice to review and complete the activities again. In an effort to help the teacher with their tracking, the lessons are named according to where they fall within the curriculum. Students can choose any lesson and complete the activities within that lesson. Parents can list math activities on the Daily Log of Remote Learning on the first page of this packet.

Below each lesson title are links to tutorial videos from Khan Academy and YouTube introducing the concept covered in the lesson. Screenshots from the textbook are included for reference or for use, if you do not have your textbook at home.

Day 1: Watch the videos and begin working on the Introductory Page, Examples, and Guided Practice parts of the lesson. Do all of the problems in the Guided Practice. Students may do their work on a separate sheet of paper if needed.

Day 2: Continue by working on the Independent Practice, H.O.T. Problems (Higher Order Level Thinking) and Extra Practice parts of the lesson. Your goal is to complete 20 problems total over the course of both days. For example, if a lesson has more than 20 problems, students may choose 20 of their choice. If a lesson has less than 20 problems, students are to complete them all to the best of their ability. Students may check their answers at the end of the packet.

Instructions for all math lessons can be found at the beginning of the math section.
Video 1: https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-geometry/cc-7th-scale-drawings/v/scaled-drawings-worked-examples
Video 2: https://www.youtube.com/watch?v=rtkj5KNTDOw
Video 2 references some of the examples within the lesson below. Watch the video and work through the examples.


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 d. d. What is the actual area of bedroom 3 ?

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H.O.T. Problems Higher Order Thinking
7. 3 Model with Mathematics On the grid paper,
scale drawing of a room in your home. Include the s that you used.

> 8. Reason Abstractly A statue of Thomas Jefferson was made using a scale of 3 feet $=1$ foot. Write an expression to represent the height of the statue if Thomas Jefferson is $x$ feet in height. Then find his actual height if the height of the statue is 19 feet. scale drawing of a room in your home. Include the scale
that you used.


traveled since they left the lake? Each square on the map is 1 centimeter long line represents the path they took, how far have Raul, Caitlyn, and Jamar 6. Model with Mathematics Refer to the graphic novel frames below.
The scale on the map shows that 1 centimeter is equal to 75 yards. If the red
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9. Justify Conclusions Determine whether the following statement is
always, sometimes, or never true. Justify your reasoning.

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Instructions for all math lessons can be found at the beginning of the math section.
Video 1: https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-circumference-circle/v/circles-radius-diameter-and-circumference
Video 2: https://www.youtube.com/watch?v=8M2N8Jgw9W4
Video 2 references some of the examples within the lesson below. Watch the video and work through the examples.


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\begin{aligned}
& \text { many people would it take to reach around } \\
& \text { the base of the tree? fainpe } 9
\end{aligned}
$$

 in Sequoia National Park. The diameter at 17 The largest tree in the world by volume is nearest tenth if
 $4 \times 5$

 $2+$

$$
\begin{aligned}
& \text { outstretched arms can reach } 6 \text { feet, how } \\
& \text { many people would it take to reach around }
\end{aligned}
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& \begin{array}{l}
5 \text { miles. What is the circumference of this } \\
\text { volcano. Round your answer to the nearest }
\end{array}
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16. Model with Mathematics Draw and label a circle that
has a diameter more than 5 inches, but less than 10 inches.
Estimate its circumference and then find its circumference
using a calculator. Compare your results.
Copy and Solve For Exercises 10-14, show your work on a separate
piece of paper.
Find the diameter given each circumference. Use 3.14 for $\pi$.
10. a satellite dish with a circumference of 957.7 meters
11. a basketball hoop with a circumference of 56.52 inches
12. a nickel with a circumference of about 65.94 millimeters
Find the distance around each figure. Use 3.14 for $\pi$.
13.
H.O.T. Problems Higher Order Thinking
15. © Justify Conclusions Determine if the circumference of a circle with a
radius of 4 feet will be greater or less than 24 feet. Explain.
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Instructions for all math lessons can be found at the beginning of the math section.
Video 1:
https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter/area-circumference-circle/v/area-of-a-circle Video 2: https://www.youtube.com/watch?v=Jgh7E-Z5D3w

Video 2 references some of the examples within the lesson below. Watch the video and work through the examples.



Persevere with Problems Find the area of the shaded region in each
figure. Round to the nearest tenth. $\square \square \square$
15. P5 Reason Inductively If the length of the radius of a circle is doubled, how
does that affect the circumference and area? Explain.
 (4.O.T. Problems Higher Order Thinking 13. Justify Conclusions Harry's Pizzeria is having a sale on medium and large
pizzas. Medium pizzas are 10 inches in diameter and cost $\$ 7.99$. Large pizzas are
14 inches in diameter and cost $\$ 14.99$. Which size pizza is the better deal?
Explain. (Hint: Find the cost per square inch of each pizza.)
13. Justify Conclusion Harry's Pizzeria is having

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Video 1: https://www.khanacademy.org/math/precalculus/x9e81a4f98389efdf:prob-comb/x9e81a4f98389efdf:basic-prob-precalc/v/simple-probability
Video 2: https://www.youtube.com/watch?v=M5jpM4AgBnU
Video 2 references some of the examples within the lesson below. Watch the video and work through the examples.





## 13 P(not brown)

## Independent Practice



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 students have blue eyes. Identity the complement of this event.
Then find its probability.

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[^0]b. Determine $P$ (not yellow).
H.O.T. Problems Higher Order Thinking
9. P5 Persevere with Problems The probability of landing in a certain
section on a spinner can be found by considering the size of the angle
formed by that section. On spinner shown, the angle formed by the
yellow section is one-fourth of the angle formed by the entire circle.
So, P(yellow) $=\frac{1}{4}, 0.25$, or $25 \%$.
a. Determine $P$ (green) and P(orange) for the spinner. Write the
probabilities as fractions, decimals, and percents.

7. black
sentence that explains how likely it is for each event to happen.



Instructions for all math lessons can be found at the beginning of the math section.
Video 1: https://www.khanacademy.org/math/probability/probability-geometry/counting-permutations/v/counting-pot-and-flower-scenarios
Video 2: https://www.youtube.com/watch?v=fhfwQQWjZTI
Video 2 references some of the examples within the lesson below. Watch the video and work through the examples.


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$\qquad$
randomly receiving a math app with a lion avatar. How likely is the
probability of receiving this app at random? (Examples 2-4|



 5. Find the number of possible routes from Eastland to Johnstown for a 4 -digit Personal Identification Number (PIN) if the digits
cannot be repeated. Ifxample11 is greater than 19. Then find the number of possible choices
6. Find the number of possible choices for a 2 -digit number tha
State the probability as a fraction and percent. (Examples $2-3$ ) that pass through Harping. Then find the probability that State
and Fairview will be used if a route is selected at random.
5. Find the number of possible routes from Eastiand

> 3. picking a month of the year and a day of the week


2. choosing a sandwich and a side from the Use the Fundamental Counting Principle to find the total number of
outcomes for each situation. Exampill

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13. PS Persevere with Problems Write an algebraic expression to find the 12. ©5 Justify Conclusions Marcus has a choice of a white, gray, or black shirt
to wear with a choice of tan, black, brown, or denim pants. Without calculating
the number of possible outcomes, how many more outfits can he make if he
buys a green shirt? Explain your reasoning to a classmate.


11. C8 Which One Doesn't Belong? Identify the choices for events $M$ and $N$
$工 \bar{\longrightarrow}$
11 choices of color. Is the store's advertisement true? Explain 19.8. Justify Conclusions A store offers 32 different $T$-shirt designs and 8. A sandwich shop offers 4 different meats and 2 different cheeses.
Suppose the sandwich shop offers 24 different meat-cheese sandwiches
How many different breads does the sandwich shop use?


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outcomes for each situation.
Use the Fundamental Counting Principle to find the total number of


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Instructions for all math lessons can be found at the beginning of the math section.
Video 1: https://www.khanacademy.org/math/precalculus/x9e81a4f98389efdf:prob-comb/x9e81a4f98389efdf:combinations/v/introduction-to-combinations

Video 2: https://www.youtube.com/watch?v=z07R6t|YIEE
Video 2 references some of the examples within the lesson below. Watch the video and work through the examples.




> president, and secretary be randomly selected from a class of 25 students?

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$=8.7$
$=56$
two at a time or $P(8,2)$ ．
$P(8,2)=8.7$



5．A swimming event features 8 swimmers．
is $m$ and the second letter is $h$ ？ the word math．What is the probability that the first letter selected Got it？Do this problem to find out
and Paquita second，the probability of this event is $\frac{1}{56}$ ．

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$1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 2+12$


6．You have five seasons of your favorite TV show on DVD．If you randomly
select two of them from a shelf，what is the probability that you will
select season one first and season two second？（Examples 4 and 5）
 Name
$\begin{array}{ll}\text { 1．In the Battle of the Bands contest，in how } \\ \text { many ways can the four participating bands } \\ \text { perform？} & \text { 2．A samples lond 2）}\end{array}$
repeated，how many codes are possible？ $\begin{array}{ll}\text { Name } & \text { My Homework }\end{array}$ $\begin{array}{ll}\text { Name } & \text { My Homework }\end{array}$
Model with Mathematics The graphic novel frame below explains
how the survey has students rank their favorite kinds of music．In how
Find each value．Use a calculator if needed．（example 3） Name－Ny Homework
$\begin{array}{ll}\text { 1．In the Battle of the Bands contest，in how } \\ \text { many ways can the four participating bands } \\ \text { perform？} & \text { 2．A garamples lond 2）}\end{array}$
$\begin{aligned} & \text { repeated，how many codes are possible？}\end{aligned}$


| Guided Practice |  | 10. 50km |
| :---: | :---: | :---: |
| 1. 60km | 3. $12 \mathrm{~cm} ; 1 / 300$ | 11. 30 km |
| 2. 16 2/3 in | 4. $113 / 5 \mathrm{in} ; 1 / 90$ | 12. $130 \text { km }$ |
| 3. $1 / 24 ; 328 \mathrm{ft}^{\wedge} 2$ | 5. $108 \mathrm{ft}^{\wedge} 2$ | 13. 102.5 km |
| 4. Sample answer: Use the scale given on the map to estimate the actual distance. | 6. 1275 yds | 14. $113 / 4 \mathrm{in} ; 2 / 1$ |
| Independent Practice H.O.T. (Higher Order Thinking) Extra Practice | 7. Answers vary. | 15. $1093 / 8 \mathrm{ft}$ |
| 1. 102.6 mi | 8. $3 x$; about $6 \frac{1}{3} \mathrm{ft}$ or 6 ft 4 in | 16. 26 min |
| 2. 81 mi | 9. <br> Always; Sample answer: A scale factor of $3 / 1$ means that 3 units of the drawing is equal to 1 unit of the object, so the scale drawing or model will be larger than the actual object. | 17. $3,420 \mathrm{ft}^{\wedge} 2$ |


| Guided Practice | 6. $22 / 7 \times 7=22 \mathrm{mi}$ | 19. Homework Help Example |
| :---: | :---: | :---: |
| 1. 1.5 m | 7. 19 people | 20. 15 m |
| 2. 28 ft | 8. 15.7 m | 21. 72 ft |
| 3. 10 in . | 9. a) 30 mm b) 314 mm c) 31.4159 mm <br> d) Sample answer: The more decimal places of the estimate of $\pi$, the more precise the circumference. | 22. $3.14 \times 2(5)=31.4 \mathrm{in}$. |
| 4. $3.14 \times 15=47.1 \mathrm{~m}$ | 10. 305 m | 23. $22 / 7 \times 21=66 \mathrm{ft}$ |
| 5. $22 / 7 \times 14=44 \mathrm{yd}$ | 11. 18 in . | 24. $22 / 7 \times 14 / 15=214 / 15 \mathrm{in}$. |
| 6. Sample answer: The circumference is about three times the measure of the diameter. | 12. 21 mm | 25. $22 / 7 \times 42=132 \mathrm{~mm}$ |
| Independent Practice <br> H.O.T. (Higher Order Thinking) <br> Extra Practice | 13. 257 cm | 26. $3.14 \times 72=226.08 \mathrm{in}$. |
| 1. 2.5 mm | 14. 33.55 ft | 27. 377 cm |
| 2. 12 ft | 15. Greater than; Sample answer: Since the radius is 4 feet, the diameter is 8 feet. Since $\pi$ is a little more than 3 , the circumference will be a little more than 3 times 8, or 24 feet. | 28. about 94.2 yd |
| 3. 34 cm | 16. Estimated circumference: 21 in.: 22.0. The estimate is close to the value found on the calculator. | 29. Each is $\pi$, or about 3.14 units longer than the previous circle. |
| 4. $3.14 \times 8=25.1 \mathrm{ft}$ | 17. The circumference would double. For example, with a diameter of 4 feet, the circumference is about 12.6 feet. With a diameter of 8 , the circumference is about 25.1 feet. |  |
| 5. $3.14 \times 13=40.8 \mathrm{~cm}$ | 18. Yes; Sample answer: The formula for the circumference $\mathbf{C}$ of a circle related to its diameter $\mathbf{d}$ is $\mathrm{C}=\pi \mathrm{d}$. The two variables C and d have a constant ratio, $\pi$. The constant of proportionality is $\pi$. |  |


| Guided Practice | 7. $254.3 \mathrm{ft}{ }^{\wedge} 2$ | 20. $3.14 \times 4.2 \times 4.2=55.4 \mathrm{~m}^{\wedge} 2$ |
| :---: | :---: | :---: |
| 1. $3.14 \times 5 \times 5=78.5 \mathrm{~cm}^{\wedge} 2$ | 8. $379.94 \mathrm{ft}^{\wedge} 2$ | 21. $3.14 \times 6.3 \times 6.3=124.6 \mathrm{~cm}^{\wedge} 2$ |
| 2. $22 / 7 \times 7 \times 7=154 \text { in^2 }^{\wedge}$ | 9. $226.1 \mathrm{in}^{\wedge} 2$ | 22. $3.14 \times 4 \times 4=50.2$ in^2 |
| 3. $3.14 \times 8 \times 8=201.0 \mathrm{~m}^{\wedge} 2$ | 10. $20.3 \mathrm{~m}^{\wedge} 2$ | 23. $3.14 \times 5.4 \times 5.4=91.6 \mathrm{yd}^{\wedge} 2$ |
| 4. $307.72 \mathrm{yd}^{\wedge} 2$ | 11. $163.3 \mathrm{yd}^{\wedge} 2$ | 24. $3.14 \times 3.8 \times 3.8=45.3 \mathrm{ft}^{\wedge} 2$ |
| 5. <br> Sample answer: They are the same in that they are both measurements of a circle. They are different in that circumference is measured in linear units while are is measured in square units. | 12. $207.6 \mathrm{ft}^{\wedge} 2$ | 25. $3.14 \times 9.3 \times 9.3=271.6 \mathrm{~mm}^{\wedge} 2$ |
| Independent Practice H.O.T. (Higher Order Thinking) Extra Practice | 13. The large pizza; the medium pizza's area is $78.5 \mathrm{in}^{\wedge} 2$ and costs $\$ 0.102$ per square inch. The large pizza's area is $153.86^{\wedge} 2$ and costs $\$ 0.097$ per square inch. | 26.1.2 in^2 |
| 1. $3.14 \times 6 \times 6=113.0 \mathrm{~cm}^{\wedge} 2$ | 14. Sample answer: The interior of a circular dirt bike track has a 25 -foot radius. There is a 40 -foot radius from the center of the interior to the outer edge of the track. What is the area of the track? $3,061.5 \mathrm{ft}^{\wedge} 2$. | 27. $144.7 \mathrm{ft}^{\wedge} 2$ |
| 2. $22 / 7 \times 28 \times 28=2,464 \mathrm{in}^{\wedge} 2$ | 15. When the radius of a circle is doubled, the circumference doubles and the area is 4 times as large. In the formula for area of a circle, the radius is squared, so when the radius of a circle is doubled, the area is $2^{\wedge} 2$ or 4 times as large. | 28. $26.4 \mathrm{~mm}^{\wedge} 2$ |
| 3. $3.14 \times 5.5 \times 5.5=95.0 \mathrm{ft}^{\wedge} 2$ | 16. $62.8 \mathrm{~m}^{\wedge} 2$ | 29.64.3 in^2 |
| 4. $3.14 \text { x. } 5.25 \times .5 .25=86.5 \mathrm{in}^{\wedge} 2$ | 17. 5.9 in ^2 | 30.307.7 in^2 |
| 5. $3.14 \times 6.3 \times 6.3=124.6 \mathrm{~mm}^{\wedge} 2$ | 18. $103.4 \mathrm{~cm}^{\wedge} 2$ | 31. Circle; $1 / 2 \times 100 \times 100<3 \times 50 \times 50$ |
| 6. $3.14 \times 3.25 \times .3 .25=33.2 \mathrm{yd}^{\wedge} 2$ | 19. Sample answer: To find the area of the quarter circle, multiply the area of the entire circle by $1 / 4 ; \mathrm{A}=(\mathrm{pi}) \mathrm{r}^{\wedge} 2 ; 19.6 \mathrm{in}^{\wedge} 2$ | 32. $52,249.6$ km^2 |


| Guided Practice | 4. $5 / 8,37.5 \%$, or 0.375 | 14. $2 / 5,40 \%, 0.4$ |
| :---: | :---: | :---: |
| 1. $1 / 9$, about $11 \%$ or about 0.11 | 5. $1 / 5,0.2$, or $20 \%$; Sample answer: Since $80 \%$ arrive on time, that means that $20 \%$ do not arrive on time. | 15. $7 / 10,70 \%, 0.7$ |
| 2. $1 / 3$, about $33 \%$ or about 0.33 | 6. $1 / 5$ | 16. $1 / 2,50 \%, 0.5$ |
| 3. $8 / 9$, about $89 \%$ or about 0.89 | 7. Picking a black jelly bean is impossible since the probability of picking a black jelly bean is $0 \%$. | 17. $1 / 2,50 \%, 0.5$ |
| 4. The complement of selecting a "Go Back 1 Space" card is selecting any card other than that card. Its probability is $3 / 4$, 0.75 , or $75 \%$. | 8. This is very likely to happen since the probability of picking purple, red, or yellow jelly bean is $90 \%, 9 / 10$, or 0.9 . | 18. $4 / 5,80 \%, 0.8$ |
| 5. Sample answer: The probability of an event occurring or its complement occurring is certain to happen. If there is a $30 \%$ chance of rain, then the complement is a $70 \%$ chance of no rain. | 9. <br> a. $1 / 8,0.125,12.5 \% ; 1 / 2,0.5,50 \%$ <br> b. $\quad 3 / 4,0.75,75 \%$ | 19. $3 / 5,60 \%, 0.6$ |
| Independent Practice H.O.T. (Higher Order Thinking) Extra Practice | 10. Sample answer: There are 18 marbles in the bag. Nine marbles should be added. To do so without changing the probability, add 3 red, 2 blue, and 4 green marbles. | 20. 3/10, 30\%, 0.3 |
| 1. $1 / 4,25 \%$, or 0.25 | 11. $70 \%, 1 / 3$; Sample answer: $70 \%$ and $1 / 3$ are probabilities that are not complementary because $0.7+0.33333 \ldots$ does NOT $=1$. The other sets are complementary. | 21. The complement of selecting a girl is selecting a boy. The probability of the complement is $37 / 100,0.37$, or $37 \%$. |
| 2. $3 / 8,37.5 \%$, or 0.375 | 12. $1 / 10,10 \%, 0.1$; Only 1 card has an 8 , so $\mathrm{P}(8)$ is $1 / 10,10 \%$, or 0.1 . | 22. $1 / 28$, about 0.04 , or about $4 \%$; $3 / 7$, about $43 \%$, or about 0.43 |
| 3. $1 / 1,100 \%$, or 1 | 13. $1 / 5,20 \%, 0.2$; There is 1 card with a 7 and 1 with a 9 , so $P(7$ or 9$)$ is $1 / 5,20 \%$, or 0.2 . | 23. $124 / 125,99.2 \%$, or . 992 ; it is very likely that card 13 will NOT be chosen. |


| Guided Practice | 5. 6 possible routes; $1 / 6$ or about 17\% | 15.8 |
| :---: | :---: | :---: |
| 1. 8 | 6. $80 ; 5,040$ | 16. 20 |
| 2. 24 | 7. 1/90; very unlikely | 17. 27 |
| 3. $72 ; 1 / 72$ or about $1.4 \%$; unlikely | 8. 3 different breads | 18. 24 |
| 4. Sample answer: Tree diagrams show specific outcomes. The Fundamental Counting Principle is a faster way to obtain the number of outcomes. | 9. No; the number of selections is $32 \times 11$ or 352, which is less than 365. | 19. 16 |
| Independent Practice H.O.T. (Higher Order Thinking) Extra Practice | 10. 2; 4; 8; Sample answer: I used a pattern to determine the number of outcomes for $n$ coins. One coin: $2^{\wedge} 1$ outcomes, two coins: $2 x$ 2 or $2^{\wedge} 2$ outcomes, three coins: $2 \times 2 \times 2$ or $2^{\wedge} 3$, $n$ coins: $2^{\wedge} n$ outcomes. | 20. 9 options; $1 / 9$ or about $11.1 \%$; unlikely |
| 1. 12 | 11. 10 groups, 8 activities have 80 outcomes; the other two have 72 outcomes. | 21. $4 / 48$ or $1 / 12$; Sample answer: There are $3 \times 4 \times 4$ or 48 different possible outcomes of a phone plan. There are 1 $x 4 \times 1$ or 4 different possible outcomes of a phone plan that includes Brand B and a headset. |
| 2. 20 | 12. 4 more outfits; Sample answer: He will have four different pairs of pants that he can wear with the green shirt. |  |
| 3. 84 | 13. $6^{\wedge} \mathrm{x}$ |  |
| 4. 12 | 14. 48 |  |


| Guided Practice | 4. 95,040 | 13. a) 15 b) 120 c) 10 d) 28 |
| :--- | :--- | :--- |
| 1. 13,800 | 5. 40,320 | 14. Homework Help Example |
| 2. 60 | 6. $1 / 20$ | 15. 60 |
| 3. $1 / 12$ | 7. 120 ways | 16. 72 |
| 4. Sample answer: The Fundamental <br> Counting Principle can be used to find <br> the number of permutations of a set of <br> objects. | 8. 6 | 17. 120 |
| Independent Practice <br> H.O.T. (Higher Order Thinking) <br> Extra Practice | 9. 6 | 18. 5,040 |
| 1. 24 | 10. $1 / 4$ | 19. $1 / 90$ |
| 2. 30,240 | 11. Sample answer: The number of ways <br> you can order 3 books on a shelf is $3+1+2$ or <br> 6. | 20. $1 / 12$ |
| 3. 840 | 12. 12 students: Since $12 \times 11 \times 10=1,320$, <br> there must be 12 students on the debate <br> team. | 21. $1 / 120$ |


[^0]:    10. 35 Persevere with Problems $A$ bag contains 6 red, 4 blue, and 8 green
    marbles. How many marbles of each color should be added so that the
    total number of marbles is 27 , but the probability of randomly selecting
    one marble of each color remains unchanged?
