

BEARCAT DAY

24 & 25

THURSDAY, APRIL 23, 2020

FRIDAY, APRIL 24, 2020

GRADE 8
ANDERSON COUNTY SCHOOLS



ANDERSON COUNTY MIDDLE SCHOOL

8TH GRADE BEARCAT DAY 24

LANGUAGE ARTS	THE OUTSIDERS (NOVEL STUDY) Read the notes and Chapter 4 of The Outsiders. Do the Google Form Questions The Short Answer is extra credit
MATH	MULTI-STEP EQUATIONS WITH THE DISTRIBUTIVE PROPERTY Students will need to use the notes and examples on the note sheet to help them complete the practice problems on the homework sheet. The homework sheet will need to be returned to the school and turned in for a grade. Students with internet access will need to complete the Google Form for Bearcat Day 24 after using the notes, practice problems, and video lesson to help them prepare.
SCIENCE	YELLOWSTONE SUPERVOLCANO Read the newsela article on the supervolcano in Yellowstone National Park. Answer the questions.
SOCIAL STUDIES	21-16 ★ The Union Wins the Civil War Questions: <ol style="list-style-type: none">1. How did General Lee feel about surrendering to General Grant?2. What does "unconditional surrender" mean?3. Once the war was over, how did each man, Grant & Lee, feel about their previous enemies?4. How would the U.S.A. be different if everyone would feel the same (as Grant & Lee) about their enemies after peace is established?
PE/HEALTH	COMMUNICABLE DISEASES Read through the notes , and answer the 10 questions that go with the notes.
CAREERS	SOFT SKILLS THE INTERVIEW Read the notes and answer the questions .

8TH GRADE BEARCAT DAY 25

BEARCAT DAY 25 REFLECTION	
What is something that you did well this week?	What questions do you have from this week's work?

Grade 8 Bearcat Day 24 ELA

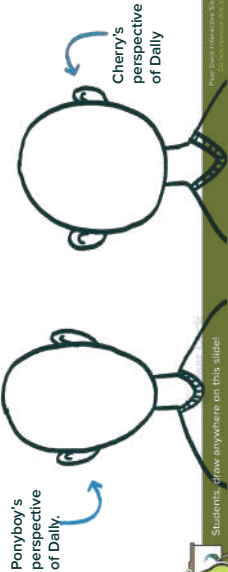
The Outsiders-Chapter 4



By SE Hinton

Consider different viewpoints

"I could fall in love with Dallas Winston. I hope I never see him again, or I will."



Grade 8 Bearcat Day 24 ELA

Fill in the Blanks-Outsider Vocab Chapter 4

Peter had never been in trouble before. Now he was on his way to the state _____.

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List two reasons Darry gets angry at Ponyboy for being late:

- 1
- 2

Draw lines to match the image to the answer:

reformatory	<input type="text"/>	Selling something illegally
groggy	<input type="text"/>	Endlessly
contemptuously	<input type="text"/>	Penal institution to reform young offenders
	<input type="text"/>	Uneasiness, fear
	<input type="text"/>	Showing a hateful, disrespectful expression
	<input type="text"/>	Dazed from exhaustion or blows

apprehension

bootlegging

unceasingly

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Fill in the Blanks-Outsider Vocab Chapter 4

on charges of _____.

Fill in the Blanks-Outsider Vocab Chapter 4

Peter felt _____ because he had not slept.

Fill in the Blanks-Outsider Vocab Chapter 4

The train rattled _____ during the entire trip.

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Fill in the Blanks-Outsider Vocab Chapter 4

As they came nearer to the institution, the boy became filled with _____.



Students choose an option.

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Fill in the Blanks-Outsider Vocab Chapter 4

He was afraid the other prisoners would treat him _____ because he was so young.



Students choose an option.

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Grade 8 Bearcat Day 24 ELA

Answer

Peter had never been in trouble before. Now he was on his way to the state **reformatory** on charges of **bootlegging**. Peter felt **groggy** because he had not slept. The train rattled **unceasingly** during the entire trip. As they came nearer to the institution, the boy became filled with **apprehension**. The prison would be unfamiliar **territory** to Peter. He was afraid the other prisoners would treat him **contemptuously** because he was so young. "I must learn the art of **self-preservation** here," thought Peter, "if I'm going to make it."

The Outsiders Audio



Fill in the Blanks-Outsider Vocab Chapter 4

The prison would be unfamiliar _____ to Peter.



Students choose an option.

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Fill in the Blanks-Outsider Vocab Chapter 4

"I must learn the art of _____ here," thought Peter, "if I'm going to make it."



Students choose an option.

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The Outsiders PDF

[SE: https://The-Outsiders-Full-Text-Lit.pdf](#)

Things to do before tomorrow's class:

1

Read The Outsiders Chapter 4 (If you read ahead, please do not spoil it for others.)

2

Open the Questions Google Form and answer the questions. Remember to check the chapter for correct answers.

3

Open the Short Answer Google Form. This assignment is OPTIONAL and you must use PACE. You WILL NOT be able to redo this.



Students, write your responses!

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Chapter 4

THE PARK WAS ABOUT two blocks square, with a fountain in the middle and a small swimming pool for the little kids. The pool was empty now in the fall, but the fountain was going merrily. Tall elm trees made the park shadowy and dark, and it would have been a good hangout, but we preferred our vacant lot, and the Shepard outfit liked the alleys down by the tracks, so the park was left to lovers and little kids.

Nobody was around at two-thirty in the morning, and it was a good place to relax and cool off. I couldn't have gotten much cooler without turning into a popsicle. Johnny snapped up his jeans jacket and flipped up the collar.

"Ain't you about to freeze to death, Pony?"

"You ain't a'woofin'," I said, rubbing my bare arms between drags on my cigarette. I started to say something about the film of ice developing on the outer edges of the fountain when a sudden blast from a car horn made us both jump. The blue Mustang was circling the park slowly.

Johnny swore under his breath, and I muttered, "What do they want? This is our territory. What are Socs doing this far east?"

Johnny shook his head. "I don't know. But I bet they're looking for us. We picked up their girls."

"Oh, glory," I said with a groan, "this is all I need to top off a perfect night" I took one last drag on my weed and ground the stub under my heel. "Want to run for it?"

"It's too late now," Johnny said. "Here they come."

Five Socs were coming straight at us, and from the way they were staggering I figured they were reeling pickled. That scared me. A cool deadly bluff could sometimes shake them off, but not if they outnumbered you five to two and were drunk. Johnny's hand went to his back pocket and I remembered his switchblade. I wished for that broken

bottle. I'd sure show them I could use it if I had to. Johnny was scared to death. I mean it. He was as white as a ghost and his eyes were wild-looking, like the eyes of an animal in a trap. We backed against the fountain and the Socs surrounded us. They smelled so heavily of whiskey and English Leather that I almost choked. I wished desperately that Darry and Soda would come along hunting for me. The four of us could handle them easily. But no one was around, and I knew Johnny and I were going to have to fight it out alone. Johnny had a blank, tough look on his face--- you'd have had to know him to see the panic in his eyes. I stared at the Socs coolly. Maybe they could scare us to death, but we'd never let them have the satisfaction of knowing it.

It was Randy and Bob and three other Socs, and they recognized us. I knew Johnny recognized them; he was watching the moonlight glint off Bob's rings with huge eyes.

"Hey, whatta ya know?" Bob said a little unsteadily, "here's the little greasers that picked up our girls. Hey, greasers."

"You're outa your territory," Johnny warned in a low voice. "You'd better watch it"

Randy swore at us and they stepped in closes. Bob was eyeing Johnny. "Nup, pal, yer the ones who'd better watch it. Next time you want a broad, pick up yer own kind--- dirt."

I was getting mad. I was hating them enough to lose my head.

"You know what a greaser is?" Bob asked. "White trash with long hair."

I felt the blood draining from my face. I've been cussed out and sworn at, but nothing ever hit me like that did. Johnnycake made a kind of gasp and his eyes were smoldering.

"You know what a Soc is?" I said, my voice shaking with rage. "White trash with Mustangs and madras." And then, because I couldn't think of anything bad enough to call

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them, I spit at them. Bob shook his head, smiling slowly. "You could use a bath, greaser. And a good working over. And we've got all night to do it. Give the kid a bath, David."

I ducked and tried to run for it, but the Soc caught my arm and twisted it behind my back, and shoved my face into the fountain. I fought, but the hand at the back of my neck was strong and I had to hold my breath. I'm dying, I thought, and wondered what was happening to Johnny. I couldn't hold my breath any longer. I fought again desperately but only sucked in water. I'm drowning, I thought, they've gone too far... A red haze filled my mind and I slowly relaxed.

The next thing I knew I was lying on the pavement beside the fountain, coughing water and gasping. I lay there weakly, breathing in air and spitting out water. The wind blasted through my soaked sweat shirt and dripping hair. My teeth chattered unceasingly and I couldn't stop them. I finally pushed myself up and leaned back against the fountain, the water running down my face. Then I saw Johnny.

He was sitting next to me, one elbow on his knee, and staring straight ahead. He was a strange greenish-white, and his eyes were huger than I'd ever seen them.

"I killed him," he said slowly. "I killed that boy."

Bob, the handsome Soc, was lying there in the moonlight, doubled up and still. A dark pool was growing from him, spreading slowly over the blue white cement. I looked at Johnny's hand. He was clutching his switchblade, and it was dark to the hilt. My stomach gave a violent jump and my blood turned icy.

"Johnny," I managed to say, fighting the dizziness, "I think I'm gonna be sick."

"Go ahead," he said in the same steady voice. "I won't look at you."

I turned my head and was quietly sick for a minute. Then I leaned back and closed my eyes so I wouldn't see Bob lying there.

This can't be happening. This can't be happening. This can't be...

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"You really killed him, huh, Johnny?"

"Yeah." His voice quavered slightly. "I had to. They were drowning you, Pony. They might have killed you. And they had a blade... they were gonna beat me up...."

"Like..."--- I swallowed--- "like they did before?"

Johnny was quiet for a minute. "Yeah," he said, "like they did before."

Johnny told me what had happened: "They ran when I stabbed him. They all ran..."

A panic was rising in me as I listened to Johnny's quiet voice go on and on. "Johnny!" I nearly screamed. "What are we gonna do? They put you in the electric chair for, killing people!" I was shaking. I want a cigarette. I want a cigarette. I want a cigarette. We had smoked our last pack. "I'm scared, Johnny. What are we gonna do?"

Johnny jumped up and dragged me up by my sweat shirt. He shook me. "Calm down, Ponyboy. Get ahold of yourself."

I hadn't realized I was screaming. I shook loose. "Okay," I said, "I'm okay now."

Johnny looked around, slapping his pockets nervously. "We gotta get outa here. Get somewhere. Run away. The police'll be here soon." I was trembling, and it wasn't all from cold. But Johnny, except for the fact that his hands were twitching, looked as cool as Darry ever had. "We'll need money. And maybe a gun. And a plan."

Money. Maybe a gun? A plan. Where in the world would we get these things?

"Dally," Johnny said with finality. "Dally'll get us outa here."

I heaved a sigh. Why hadn't I thought of that? But I never thought of anything. Dallas Winston could do anything.

"Where can we find him?"

"I think at Buck Merrill's place. There's a party over there tonight. Dally said somethin' about it this afternoon."

Buck Merrill was Dally's rodeo partner. He was the one who'd got Dally the job as a jockey for the Slash J. Buck raised a few quarter horses, and made most of his money on fixed races and a little bootlegging. I was under strict orders from both Darry and Soda not to get caught within ten miles of his place, which was dandy with me. I didn't like Buck Merrill. He was a tall lanky cowboy with blond hair and buckteeth. Or he used to be bucktoothed before he had the front two knocked out in a fight. He was out of it. He dug Hank Williams--- how gross can you get?

Buck answered the door when we knocked, and a roar of cheap music came with him. The clinking of glasses, loud, rough laughter and female giggles, and Hank Williams. It scraped on my raw nerves like sandpaper. A can of beer in one hand, Buck glared down at us. "Whatta ya want?"

"Dally!" Johnny gulped, looking back over his shoulder. "We gotta see Dally."

"He's busy," Buck snapped, and someone in his living room yelled "A-ha!" and then "Yee-ha," and the sound of it almost made my nerves snap.

"Tell him it's Pony and Johnny," I commanded. I knew Buck, and the only way you could get anything from him was to bully him. I guess that's why Dallas could handle him so easily, although Buck was in his mid-twenties and Dally was seventeen. "He'll come."

Buck glared at me for a second, then stumbled, off. He was pretty well crocked, which made me apprehensive. If Dally was drunk and in a dangerous mood....

He appeared in a few minutes, clad only in a pair of low-cut blue jeans, scratching the hair on his chest. He was sober enough, and that surprised me. Maybe he hadn't been there long.

"Okay, kids, whatta ya need me for?"

As Johnny told him the story, I studied Dally, trying to figure out what there was about this tough-looking hood that a girl like Cherry Valance could love. Towheaded and shift-y-eyed, Dally was anything but handsome. Yet in his hard face there was character, pride, and a savage defiance of the world. He could never love Cherry Valance back. It would be a miracle if Dally loved anything. The fight for self-preservation had hardened him beyond caring.

He didn't bat an eye when Johnny told him what had happened, only grinned and said "Good for you" when Johnny told how he had knifed the Soc. Finally Johnny finished. "We figured you could get us out if anyone could. I'm sorry we got you away from the party."

"Oh, shoot, kid"--- Dally glanced contemptuously over his shoulder--- "I was in the bedroom."

He suddenly stared at me. "Glory, but your ears can get red, Ponyboy."

I was remembering what usually went on in the bedrooms at Buck's parties. Then Dally grinned in amused realization. "It wasn't anything like that, kid. I was asleep, or tryin' to be, with all this racket. Hank Williams"--- he rolled his eyes and added a few adjectives after 'Hank Williams.' "Me and Shepard had a run-in and I cracked some ribs. I just needed a place to lay over." He rubbed his side ruefully. "OI! Tim sure can pack a punch. He won't be able to see outa one eye for a week." He looked us over and sighed. "Well, wait a sec and I'll see what I can do about this mess." Then he took a good look at me. "Ponyboy, are you wet?"

"Y-y-yes-s," I stammered through chattering teeth.

"Glory hallelujah!" He opened the screen door and pulled me in, motioning for Johnny to follow. "You'll die of pneumonia 'fore the cops ever get you."

He half-dragged me into an empty bedroom, swearing at me all the way. "Get that sweat shirt off." He threw a towel at me. "Dry off and wait here. At least Johnny's got his

jeans jacket. You ought to know better than to run away in just a sweat shirt, and a wet one at that. Don't you ever use your head?" He sounded so much like Darry that I stared at him. He didn't notice, and left us sitting on the bed.

Johnny lay back on it. "Wish I had me a weed."

My knees were shaking as I finished drying off, sitting there in my jeans.

Dally appeared after a minute. He carefully shut the door. "Here"--- he handed us a gun and a roll of bills--- "the gun's loaded. For Pete's sake, Johnny, don't point the thing at me. Here's fifty bucks. That's all I could get out of Merrill tonight He's blowin' his loot from that last race."

You might have thought it was Dally who fixed those races for Buck, being a jockey and all, but it wasn't. The last guy to suggest it lost three teeth. It's the truth. Dally rode the ponies honestly and did his best to win. It was the only thing Dally did honestly.

"Pony, do Darry and Sodapop know about this?"

I shook my head. Dally sighed. "Boy howdy, I ain't itchin' to be the one to tell Darry and get my head busted."

"Then don't tell him," I said. I hated to worry Sodapop, and would have liked to let him know I had gotten this far okay, but I didn't care if Darry worried himself gray-headed. I was too tired to tell myself I was being mean and unreasonable. I convinced myself it wouldn't be fair to make Dally tell him. Darry would beat him to death for giving us the money and the gun and getting us out of town.

"Here!" Dally handed me a shirt about sixty million sizes too big. "It's Buck's--- you an' him ain't exactly the same size, but it's dry." He handed me his worn brown leather jacket with the yellow sheep's-wool lining. "It'll get cold where you're going, but you can't risk being loaded down with blankets."

I started buttoning up the shirt. It about swallowed me. "Hop the three-fifteen freight to Windrixville," Dally instructed. "There's an old abandoned church on top of Jay Mountain. There's a pump in back so don't worry about water. Buy a week's supply of food as soon as you get there--- this morning, before the story gets out, and then don't so much as stick your noses out the door. I'll be up there as soon as I think it's clear. Man, I thought New York was the only place I could get mixed up in a murder rap."

At the word "murder," Johnny made a small noise in his throat and shuddered.

Dally walked us back to the door, turning off the porch light before we stepped out. "Git goin'!" He messed up Johnny's hair. "Take care, kid," he said softly.

"Sure, Dally, thanks." And we ran into the darkness.

WE CROUCHED IN THE WEEDS beside the railroad tracks, listening to the whistle grow louder. The train slowed to a screaming halt. "Now," whispered Johnny. We ran and pulled ourselves into an open boxcar. We pressed against the side, trying to hold our breath while we listened to the railroad workers walk up and down outside. One poked his head inside, and we froze. But he didn't see us, and the boxcar rattled as the train started up.

"The first stop'll be Windrixville," Johnny said, laying the gun down gingerly. He shook his head. "I don't see why he gave me this. I couldn't shoot anybody."

Then for the first time, really, I realized what we were in for. Johnny had killed someone. Quiet, soft-spoken little Johnny, who wouldn't hurt a living thing on purpose, had taken a human life. We were really running away, with the police after us for murder and a loaded gun by our side. I wished we'd asked Dally for a pack of cigarettes....

I stretched out and used Johnny's legs for a pillow. Curling up, I was thankful for Dally's jacket. It was too big, but it was warm. Not even the rattling of the train could keep me awake, and I went to sleep in a hoodlum's jacket, with a gun lying next to my hand.

I WAS HARDLY AWAKE when Johnny and I leaped off the train into a meadow. Not until I landed in the dew and got a wet shock did I realize what I was doing. Johnny must have woke me up and told me to jump, but I didn't remember it. We lay in the tall weeds and damp grass, breathing heavily. The dawn was coming. It was lightening the sky in the east and a ray of gold touched the hills. The clouds were pink and meadowlarks were singing. This is the country, I thought, half asleep. My dream's come true and I'm in the country.

"Blast it, Ponyboy"--- Johnny was rubbing his legs--- "you must have put my legs to sleep. I can't even stand up. I barely got off that train."

"I'm sorry. Why didn't you wake me up?"

"That's okay. I didn't want to wake you up until I had to."

"Now how do we find Jay Mountain?" I asked Johnny. I was still groggy with sleep and wanted to sleep forever right there in the dew and the dawn.

"Go ask someone. The story won't be in the paper yet. Make like a farm boy taking a walk or something."

"I don't look like a farm boy," I said. I suddenly thought of my long hair, combed back, and the slouching stride I used from habit. I looked at Johnny. He didn't look like any farm boy to me. He still reminded me of a lost puppy who had been kicked too often, but for the first time I saw him as a stranger might see him. He looked hard and tough, because of his black T-shirt and his blue jeans and jacket, and because his hair was heavily greased and so long. I saw how his hair curled behind his ears and I thought: We both need a haircut and some decent clothes. I looked down at my worn, faded blue jeans,

my too-big shirt, and Dally's worn-out jacket. They'll know we're hoods the minute they see us, I thought.

"I'll have to stay here," Johnny said, rubbing his legs. "You go down the road and ask the first person you see where Jay Mountain is." He winced at the pain in his legs. "Then come back. And for Pete's sake, run a comb through your hair and quit slouching down like a thug."

So Johnny had noticed it too. I pulled a comb from my back pocket and combed my hair carefully. "I guess I look okay now, huh, Johnny?"

He was studying me. "You know, you look an awful lot like Sodapop, the way you've got your hair and everything. I mean, except your eyes are green."

"They ain't green, they're gray," I said, reddening. "And I look about as much like Soda as you do." I got to my feet. "He's good-looking."

"Shoot," Johnny said with a grin, "you are, too."

I climbed over the barbed-wire fence without saying anything else. I could hear Johnny laughing at me, but I didn't care. I went strolling down the red dirt road, hoping my natural color would come back before I met anyone. I wonder what Darry and Sodapop are doing now, I thought, yawning. Soda had the whole bed to himself for once. I bet Darry's sorry he ever hit me. He'll really get worried when he finds out Johnny and I killed that Soc. Then, for a moment, I pictured Sodapop's face when he heard about it. I wish I was home, I thought absently, I wish I was home and still in bed. Maybe I am. Maybe I'm just dreaming...

It was only last night that Dally and I had sat down behind those girls at the Nightly Double. Glory, I thought with a bewildering feeling of being rushed, things are happening too quick. Too fast. I figured I couldn't get into any worse trouble than murder. Johnny and I would be hiding for the rest of our lives. Nobody but Dally would know where we were, and he couldn't tell anyone because he'd get jailed again for giving

us that gun. If Johnny got caught, they'd give him the electric chair, and if they caught me, I'd be sent to a reformatory. I'd heard about reformatories from Curly Shepard and I didn't want to go to one at all., So we'd have to be hermits for the rest of our lives, and never see anyone but Dally. Maybe I'd never see Darry or Sodapop again. Or even Two-Bit or Steve. I was in the country, but I knew I wasn't going to like it as much as I'd thought I would. There are things worse than being a greaser.

I met a sunburned farmer driving a tractor down the road. I waved at him and he stopped.

"Could you tell me where Jay Mountain is?" I asked as politely as I could.

He pointed on down the road. "Follow this road to that big hill over there. That's it. Taking a walk?"

"Yessir." I managed to look sheepish. "We're playing army and I'm supposed to report to headquarters there."

I can lie so easily that it spooks me sometimes--- Soda says it comes from reading so much. But then, Two-Bit lies all the time too, and he never opens a book.

"Boys will be boys," the farmer said with a grin, and I thought dully that he sounded as corn-pony as Hank Williams. He went on and I walked back to where Johnny was waiting.

WE CLIMBED UP THE ROAD to the church, although it was a lot farther away than it looked. The road got steeper with every step. I was feeling kind of drunk--- I always do when I get too sleepy--- and my legs got heavier and heavier. I guess Johnny was sleepier than I was--- he had stayed awake on the train to make sure we got off at the right place. It took us about forty-five minutes to get there. We climbed in a back window. It was a small church, real old and spooky and spiderwebby. It gave me the creeps.

I'd been in church before. I used to go all the time, even after Mom and Dad were gone. Then one Sunday I talked Soda into coming with Johnny and me. He didn't want to come unless Steve did, and Two-Bit decided he might as well come too. Dally was sleeping off a hangover, and Darry was working. When Johnny and I went, we sat in the back, trying to get something out of the sermon and avoiding the people, because we weren't dressed so sharp most of the time. Nobody seemed to mind, and Johnny and I really liked to go. But that day... well, Soda can't sit still long enough to enjoy a movie, much less a sermon. It wasn't long before he and Steve and Two-Bit were throwing paper wads at each other and clowning around, and finally Steve dropped a hymn book with a bang--- accidentally, of course. Everyone in the place turned around to look at us, and Johnny and I nearly crawled under the pews. And then Two-Bit waved at them.

I hadn't been to church since.

But this church gave me a kind of creepy feeling. What do you call it? Premonition? I flopped down on the floor--- and immediately decided not to do any more flopping. That floor was stone, and hard. Johnny stretched out beside me, resting his head on his arm. I started to say something to him, but I went to sleep before I could get the words out of my mouth. But Johnny didn't notice. He was asleep, too.

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The Outsiders - Chapter 4 Quiz

* Required

Part 1: Matching

Dally *

Choose

Bob *

Choose

Gun *

Choose

3 points

Write the number of your answer
beside the correct character.

1. Item given to Ponyboy
2. Dally gives this to Johnny
3. Johnny and Ponyboy go to him for help
4. The Soc Johnny kills
5. Ponyboy lies to this person

Farmer *

Choose

Jacket *

Choose

3 points

3 points

Back

Next

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24. Bearcat Day 24 Short Answer 4/23/2020

THIS IS EXTRA CREDIT

* Required

Name and Class Period (capitalize where appropriate)

Your answer

USING RACE-Out of all of the gang members to choose from, Ponyboy and Johnny turned to Dallas? Explain why Ponyboy and Johnny thought this was their best option. *

Your answer

Submit

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Grade 8 Bearcat Day 24 Math

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Unit: Linear Equations
Student Handout 5

Name Answer Key

Date _____ Pd _____

MULTI-STEP EQUATIONS WITH DISTRIBUTIVE PROPERTY

STEPS TO SOLVE

1. Distribute first
2. Combine like terms (if necessary)
3. Solve the equation

Solve each of the following multi-step equations.

1. Two friends met up for coffee and dessert. Each friend got a medium drink and two cupcakes, and one friend bought a mug for \$12.00. The friend who bought the mug paid for their order, and the total was \$29.00.

$$2 \left(\text{cup} + 2 \text{cup} \right) + \text{mug} = 29$$

$$2(\underline{3.5} + \underline{2c}) + \underline{12} = \underline{29}$$

a. If a medium coffee costs \$3.50, use the lines above to write an equation to solve for c, the cost of a cupcake.

b. Distribute: $7 + 4c + 12 = 29$

c. Combine like terms: $4c + 19 = 29$

d. Solve for c: $c = \$2.50$

2. Solve the equation.

$$-4(-6x + 3) = 12$$

$$x = 1$$

3. Solve the equation.

$$4 + 2(x - 8) = 44$$

$$x = 28$$

MULTI-STEP EQUATIONS WITH DISTRIBUTIVE PROPERTY

Each of the equation cards on the left has the same solution as one of the equation cards on the right. Find the matching equations to complete the sentences below.

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">A $4(2x - 7) - 2x = -10$</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">B $12 + \frac{1}{5}(10x + 5) = 59$</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">C $4 + \frac{1}{4}x + 3 = 10$</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">D $\frac{5}{4}(20x + 12) = -35$</div> <div style="border: 1px solid black; padding: 5px;">E $8.6x + 2.2(2x - 5) = 54$</div>	<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">F $3.3(x - 8) - x = 1.2$</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">G $7x - 10x + 18 + 2x = -5$</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">H $7x + 3(5 - 3x) = 5$</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">I $6 = 2 - 2x + 10$</div> <div style="border: 1px solid black; padding: 5px;">J $8(-2x - 1) = 24$</div>
--	--

- Card A and Card _____ have the same solution of $x =$ _____.
- Card B and Card _____ have the same solution of $x =$ _____.
- Card C and Card _____ have the same solution of $x =$ _____.
- Card D and Card _____ have the same solution of $x =$ _____.
- Card E and Card _____ have the same solution of $x =$ _____.

Study: Yellowstone shows signs of shorter timeline for an eruption

By National Geographic, adapted by Newsela staff on 10.26.17

Word Count **704**

Level **840L**



Grand Prismatic Spring is one of the largest and most beautiful examples of a common hydrothermal feature in Yellowstone National Park. Photo by: Tom Murphy/National Geographic

A supervolcano underneath Yellowstone National Park might one day erupt again. If it does, it could happen with far less warning time than previously thought.

Yellowstone National Park is huge. It covers 3,472 square miles, which is larger than the states of Delaware and Rhode Island combined. Most of the park is in the state of Wyoming, but small parts of it stretch into Idaho and Montana. Yellowstone is notable because it was the first national park. It also sits right on top of a huge active volcano. The volcano is so large it is sometimes called a supervolcano.

Scientists at Arizona State University studied ash from the most recent big eruption. They think the supervolcano last woke up after two floods of fresh magma flowed into the area beneath it.

About 630,000 years ago, a strong eruption shook the region. It spewed rock and ash and created the Yellowstone caldera, or crater. The crater is 40 miles wide.

Rapid Changes Surprise Scientists

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The new study offered an unsettling twist. It shows that the changes to make the volcano erupt may have built up in a matter of decades. Until now, scientists had thought it would take hundreds of years for the supervolcano to make those changes.

A 2013 study showed that the area of magma that feeds the supervolcano is more than twice as large as previous estimates. Scientists also think the magma is drained after every monster blast. So they thought it should take a long time to refill. Based on the new study, it seems the magma can return quickly. That means the volcano could explode sooner.

"It's shocking how little time is required to take a volcanic system from being quiet and sitting there to the edge of an eruption," Hannah Shamloo said. She helped write the study.

Still, Yellowstone is one of the most-watched volcanoes in the world, says Michael Poland. He is the scientist-in-charge of the Yellowstone Volcano Observatory for the U.S. Geological Survey. Sensors and satellites are always looking for changes, and right now, the supervolcano does not seem dangerous.

No Immediate Eruptions Forecast

"We see interesting things all the time," says Poland. However, his team hasn't seen any sign of an upcoming eruption, he says.

Today, Yellowstone National Park owes much of its beauty to its volcanic past. Wonders like the Old Faithful geyser and the Grand Prismatic Spring draw huge crowds. The natural features came from what has happened below the park. That activity is driven by the magma that feeds the supervolcano.

A long-ago eruption left behind the Lava Creek Tuff. It is a deposit of ash that Shamloo and fellow scientist Christy Till studied. They presented the results of their study in August. The pair also presented an earlier version of their study at a 2016 meeting of the American Geophysical Union.

Experts think the supervolcano has had at least two other huge eruptions in the past 2 million years or so. The supervolcano has been largely quiet since before the first people arrived in the Americas. A handful of smaller rumblings have occasionally filled the crater with lava and ash. However, they have not been recent. The last one happened about 70,000 years ago.

In 2011, scientists revealed that the ground above the magma was bulging. It stretched up to 10 inches over about seven years.

The rising ground is unusual because it covers such a large area, Bob Smith said at the time. He is an expert on Yellowstone volcanoes. Smith works at the University of Utah.

Deep Magma Pool Dispels Fears

The swelling magma pool causing the rise of the crater was very deep. As a result, it did not create immediate worry, Smith said. Still, the crater's gentle "breathing" helped scientists learn more about the supervolcano's behavior.

Most scientists who study Yellowstone's slumbering supervolcano say that there is no way to know when the next big blast will come. The U.S. Geological Survey puts the yearly chance of another

huge Yellowstone blast at 1 in 730,000. That's similar to the odds of a huge asteroid seriously damaging Earth.

Luckily, there are many eyes on Yellowstone's supervolcano. They'll keep watching for any signs of a coming blast.

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Quiz

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- 1 The word "eruption" is essential to understanding what scientists are studying in the article.
- Which sentence from the article BEST explains what "eruption" means?
- (A) They think the supervolcano last woke up after two floods of fresh magma flowed into the area beneath it.
- (B) It spewed rock and ash and created the Yellowstone caldera, or crater.
- (C) Scientists also think the magma is drained after every monster blast.
- (D) It stretched up to 10 inches over about seven years.
- 2 Read the paragraph from the section "No Immediate Eruptions Forecast."
- In 2011, scientists revealed that the ground above the magma was bulging. It stretched up to 10 inches over about seven years.*
- Which phrase from the paragraph BEST helps you understand the meaning of "bulging"?
- (A) scientists revealed
- (B) ground above
- (C) stretched up
- (D) seven years
- 3 Read the paragraph from the section "No Immediate Eruptions Forecast."
- Today, Yellowstone National Park owes much of its beauty to its volcanic past. Wonders like the Old Faithful geyser and the Grand Prismatic Spring draw huge crowds. The natural features came from what has happened below the park. That activity is driven by the magma that feeds the supervolcano.*
- What is the MOST accurate explanation of this paragraph?
- (A) The wonders that attract visitors to Yellowstone would not be possible without the supervolcano.
- (B) An eruption of the supervolcano will change the appearance of the natural wonders at Yellowstone.
- (C) More interesting natural features will be created if the supervolcano erupts again soon.
- (D) Crowds have stopped visiting Yellowstone to see its natural features because of the supervolcano.
- 4 Read the section "Deep Magma Pool Dispels Fears."
- Which detail from the section BEST supports the conclusion that it is very unlikely that the volcano will erupt soon?
- (A) Still, the crater's gentle "breathing" helped scientists learn more about the supervolcano's behavior.
- (B) The U.S. Geological Survey puts the yearly chance of another huge Yellowstone blast at 1 in 730,000.
- (C) That's similar to the odds of a huge asteroid seriously damaging Earth.
- (D) They'll keep watching for any signs of a coming blast.

Grade 8 Bearcat Day 24 Social Studies

21-16 ★ THE UNION WINS THE CIVIL WAR, APRIL 9, 1865

magnanimity—a generous, forgiving spirit regarding insults and injuries; noble; high-minded

ON APRIL 9, 1865, THE WAR ENDED IN A UNION VICTORY.

GENERAL LEE, OUTFOUGHT AND OUTNUMBERED, SURRENDERED HIS CONFEDERATE ARMY TO GENERAL GRANT AT APPOMATTOX COURT HOUSE, A VILLAGE IN VIRGINIA.



General Lee told his officers April 8th that there was nothing left for him to do but go and see General Grant—adding, "I would rather die a thousand deaths." He sent a messenger with a white towel, and Grant accepted the surrender offer.

Lee went to meet Grant dressed in his finest uniform and carrying his engraved sword because he expected to become Grant's prisoner and wanted appear his best.

General Grant's officers wept at the surrender offer. As for Grant, he suddenly felt free of a headache he had suffered since early morning.

Grant considered Lee a valiant foe but one whose cause was "one of the worst for which people ever fought."



(Appomattox is near Jamestown, where America's experiment in self-government began.)



UNCONDITIONAL SURRENDER—MAGNANIMOUS TREATMENT

Lee and Grant met in the home of Wilmer McLean. Ironically, McLean had moved to Appomattox to escape the war after having the first Battle of Bull Run fought in his back yard.



Under Lincoln's authority, Grant gave unconditional terms of surrender, along with generous concessions.

Grant told Lee: "Peace being my great desire, there is but one condition I would insist upon...that the men and officers surrendered shall be disqualified for taking up arms again, against the Government of the United States."

Then, enacting Lincoln's policy, Grant added one of the most humane conditions in military history. After signing paroles, the Confederate soldiers were free to go home and were "not to be disturbed by the United States authorities."

Thus, there would be no imprisonment or punishment of Confederate soldiers, including Lee. Neither Lincoln nor Grant wanted to punish the Confederate army.

LINCOLN, LEE AND GRANT: MODELS OF MAGNANIMITY

In one of history's miracles, the United States would successfully reunite after four years of fighting—unlike some countries that hold post-civil war grudges for hundreds of years. Lincoln, Lee, and Grant were magnanimous in setting a policy and tone of reconciliation for their fellow Americans.

As Lee rode away following the surrender, Grant silenced Union cheers, saying, "The war is over. The rebels are our countrymen again."

Lee swore allegiance to the United States, influencing thousands of his devoted ex-soldiers to do the same. He became president of Washington College in Lexington, Virginia (later named Washington and Lee University), where he told students: "Make your sons Americans."

Lee once warned a professor to stop speaking disrespectfully of Grant, under penalty of being fired.

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Communicable Diseases

Vocabulary

- Communicable Disease- an illness caused by pathogens that can be spread from one living thing to another
- Pathogen- a germ that causes disease
- Cold- viral infection that affects the lining of the upper respiratory tract
- Influenza- a viral infection of the respiratory tract
- Pneumonia- an infection of the lungs caused by bacteria, viruses or other pathogens
- Strep Throat- bacterial infection of the throat
- Mononucleosis- viral infection that causes extreme tiredness
- Personal health record- record of a person's health, health care, and health care providers

Ways Pathogens are Spread

- Contact with eye, nose, throat secretions
- Contact with body wastes
- Contact with open sores
- Contact with blood
- Intimate sexual contact
- Contaminated food
- Insect bites
- Animal bites

The Common Cold

- Caused by over 200 viruses
- No cure for the cold, antibiotics don't work on viruses
- OTC medicines, plenty of rest and fluids
- Symptoms include:
 - Runny, stuffy nose
 - Watery eyes
 - Sore or scratchy throat
 - Mild cough
 - tiredness

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Influenza (the flu)

- Caused by the influenza virus
- No cure, antibiotics don't work on viruses
- OTC medicines, plenty of rest and fluids
- Symptoms:
 - Fever
 - Chills
 - Headache
 - Severe body aches
 - Extreme tiredness
 - Chest discomfort
 - Cough

Pneumonia

- Caused by various pathogens
- Chest x-rays
- Treatment varies depending on pathogen involved; antibiotics or antiviral medicines
- Symptoms:
 - Cough
 - Chest pain
 - Chills
 - Fever
 - Coughing up blood or thick mucus

Strep Throat

- Caused by bacteria
- Treated with antibiotics
- Avoid contact with people who have it; not contagious 1-2 days after antibiotics
- Symptoms
 - Sore, bright red throat
 - Pus in the throat
 - Pain when swallowing
 - Fever
 - Chills
 - Headache

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Mononucleosis

- Caused by the Epstein-Barr virus
- Diagnosed by blood test
- No cure, antibiotics don't work on viruses
- Plenty of rest, avoid heavy lifting and contact sports
- Symptoms:
 - Extreme tiredness
 - Fever
 - Sore throat
 - Swelling of lymph nodes

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Communicable Diseases

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Read through the notes and answer the following questions based on the notes.

1. What communicable disease may result from spending time in wooded areas?
2. What makes treatment for a viral infection different from treatment for a bacterial infection?
3. List 3 symptoms of the common cold.
4. How do we treat Strep Throat?
5. Is there a cure for the Flu? Why or why not?
6. Describe Mononucleosis.
7. How is pneumonia diagnosed (what kind of test do they do)?
8. What is a pathogen?
9. What are some ways to avoid being infected with a pathogen?
10. Is COVID-19 a communicable disease? Explain.

SOFT SKILLS

If you were the boss, would you hire yourself?



MAKE A GOOD IMPRESSION!

- Arrive 5 minutes early
- Smile, make eye contact and shake hands when you meet your interviewer
- Answer each question honestly; try to stay positive and confident
- Ask for business cards so you can follow up if you do not hear from them within the timeframe they indicated.
- Send a thank you email to your interviewer within 24 hours of the interview to let them know their time is valuable to you as well as them and that you appreciate the opportunity to be considered for the position.

YOU HAVE BEEN CALLED FOR AN INTERVIEW !

Are you prepared?

- Research the employer – go to their website and find out everything you can about their business and the industries they compete in
- Use salary sites such as Salary.com or Payscale.com to find the typical salary range for similar positions in your area
- Plan your answers. Have someone ask you practice questions.
- Create a list of questions YOU plan to ask – to show that you have researched the company and are interested in the position
- Practice talking about yourself briefly, covering such topics as education, accomplishments, skills and traits that would matter to the employer

DRESS THE PART

- Shorts, tank tops and sandals are only appropriate if you are interviewing for a lifeguard or beach job
- Appropriate dress attire for the job – business casual works well unless you are applying for a professional level job. In that case, a suit and tie are better choices.
- Your shoes are as important as your clothes. Make sure they are clean.
- Shampoo / fix your hair. A simple hair style works well
- Freshly showered, use deodorant & shave
- Keep makeup to a minimum & use neutral muted colors
- Have brushed teeth and fresh breath
- Wear little or no cologne. Many people have scent allergies
- No tattoos should be visible
- Keep jewelry items at a minimum. No large earrings or thick chains
- DO NOT chew gum or have candy in your mouth during the interview
- Avoid smoking. The smell of smoke lingers on your clothes and in your hair



SOFT SKILLS ARE A MUST FOR ANY JOB

94% of recruiters believe that top-notch soft skills outweigh experience

- **Dependability and responsibility** are by far the best soft skill you can acquire. Employers need employees to show up for work daily and to perform at their best abilities.
- **Communication** skills can be oral or written and allow you to express yourself effectively in the workplace. Make sure what you are saying or writing is clear, concise and can be understood.
- **Teamwork** allows you to operate well in a group setting in the workplace and to effectively accomplish tasks. Conflict management, delegation, listening skills and negotiating skills all come into play under teamwork.
- **Adaptability & flexibility** are related skills and are about embracing and rolling with change. Some examples of this include self management, decision making, open mindedness, self confidence, self motivation and organization.
- **Problem-Solving** abilities are a blend of using analytical and creative thinking to find solutions. Brainstorming and decision making are important traits for problem solving.
- **Creativity** is a soft skill that can help you develop innovative solutions to problems at work. Inspiration, imagination, experimenting, questioning and design are important for creativity.

CHILD LABOR LAW REQUIREMENTS IN KENTUCKY

Work hours of 14 and 15 year olds

- **During times school is in session**, minors of this age may not work during school hours.
- They are allowed to work up to three hours per day on school days, but this work must be between the hours of 7am and 7pm.
- The total hours per week must be 18 or fewer.
- **During the summer months (defined as June 1st through Labor Day)**, a 14 or 15 year old minor may work between 7am and 9pm. However, a minor of this age may still work no more than 40 hours per week or 8 hours per day during the summer months.
- minors under the age of 16 are prohibited from jobs operating many types of machinery, or working in any manufacturing settings.

- **Work Ethic** is a soft skill that proves your belief in the importance of work and it's ability to strengthen your character. Demonstrating good work ethic should be important in every career, but it is vital in many careers such as first responders, teachers and nurses. Examples related to work ethic are integrity, responsibility, discipline, initiative, dependability, commitment, self motivated, professionalism, teamwork, and loyalty. This is a basic but very important skill that will follow you throughout any career.
- **Interpersonal skills** are those that you use near-constantly as you interact and communicate with co-workers and management. Examples include empathy, humor, mentoring, networking, patience and public speaking.
- **Time Management** skills demonstrate your ability to work efficiently and productively by using your time wisely. Goal setting, prioritizing, planning, self starter, focus and organization are good examples of successful time management.
- **Leadership** is a soft skill that enables you to guide others while you fulfill the goal and mission of your organization. A good leader must have empathy, selflessness, agility, cultural intelligence, authenticity, versatility and trust for others.
- **Attention to detail** allows you to be both thorough and accurate in your work habits. Skills related to this are listening, critical observation, organization, scheduling, memory and questioning

SOFT SKILLS ARE FUNDAMENTAL TO GETTING THE JOB YOU WANT NOW AND ESSENTIAL FOR CAREER GROWTH...THEY HELP YOU STAND OUT AND GET HIRED!!

Employment of 16 and 17 year olds

- **during the school year**, minors must work **no more than 6** hours per day on a school day, or 8 hours per day on a non-school day
- During the school year, the total hours worked per week must not exceed 30 hours
- If he or she has gained a special exemption from both a parent and his or her school (such as for co-op), he or she may work up to 40 hours per week during the school year.
- **during the summer**, there are no restrictions on the number of hours per day or per week a 16 or 17 year old may work.
- A minor of this age may not work later than 10:30pm on a school night, or 1:30am on a non-school night.
- No minors under the age of 18 may work in dangerous occupations such as coal mining or logging.

TOP 10 WORK VALUES EMPLOYERS LOOK FOR

- **Strong work ethic -**
 - understand and possess a willingness to work hard
 - work smart. This means learning the most efficient way to complete tasks and finding ways to save time while completing daily assignments.
 - care about your job and complete all projects while maintaining a positive attitude
 - Doing more than is expected on the job is a good way to show management that you utilize good time management skills and don't waste valuable company time attending to personal issues not related to the job.
- **Dependability & responsibility -**
 - come to work on time
 - there when they are supposed to be
 - responsible for their actions and behavior
- **Possessing a positive attitude -**
 - take the initiative and have the motivation to get the job done in a reasonable period of time. A positive attitude gets the work done and motivates others to do the same without dwelling on the challenges that inevitably come up in any job
- **Adaptability -**
 - adaptable and maintain flexibility in completing tasks in an ever changing workplace. Being open to change and improvements, provides an opportunity to complete work assignments in a more efficient manner while offering additional benefits to the corporation, the customer, and even the employee.

- **Professionalism**
 - who exhibit professional behavior at all times. Professional behavior includes learning every aspect of a job and doing it to the best of one's ability.
 - look, speak, and dress accordingly to maintain an image of someone who takes pride in their behavior and appearance.
 - complete projects as soon as possible and avoid letting uncompleted projects pile up.
 - complete high quality work and are detail oriented.
 - behavior includes all of the behavior above in addition to providing a positive role model for others.
 - enthusiastic about their work and optimistic about the organization and its future.

- **Honesty & integrity -**
 - they want to know that they can trust what you say and what you do.
- **Self-motivated -**
 - require little supervision and direction to get the work done in a timely and professional manner.
- **Motivated to grow & learn -**
 - employees who are interested in keeping up with new developments and knowledge in the field.
- **Strong self confidence -**
 - Self-confidence has been recognized as the key ingredient between someone who is successful and someone who is not.
 - A self – confident person is someone who inspires others.
 - A self-confident person is not afraid to ask questions on topics where they feel they need more knowledge.
 - They feel little need to have to impress others with what they know since they feel comfortable with themselves and don't feel they need to know everything.
 - The self-confident person does what he/she feels is right and is willing to take risks.
 - Self- confident people can also admit their mistakes. They recognize their strengths as well as their weaknesses and are willing to work on the latter.
 - Self-confident people have faith in themselves and their abilities which is manifested in their positive attitude and outlook on life.

SOFT SKILLS

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-Interview Time

1. What are 5 things to do to prepare for your interview?
2. How can you make a good impression during your interview?
3. List 3 tips for your appearance for an interview.
4. List which soft skills you possess and give an example of when you demonstrated this.
5. What are the laws for working while school is in session for 14-15 year olds?
6. What are the laws for working while school is in session for 16-17 year olds?
7. List the 10 work values employers look for and one example for each value.