

**LEARNING PACKET**

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**LANGUAGE ARTS:**

Hi readers,

This week for Language Arts you will read four more chapters of Touching Spirit Bear and take a Quiz on chapters 7-13. Are you reading the book with a family member, a pet, or a stuffed animal? If so, I've also included some fun discussion questions for you to chat about.

Please remember to mail back your previous assignments and the quiz on chapters 1-6. I'm looking forward to reading your responses.

Missing you,

Mrs. Dotson

**MATH:**

Happy mid-May, mathematicians!

This week I have a fun project for you to work on. You are going to work on your decimal skills with a fun Candy Corner project! Attached, you will find a packet that will walk you through the steps. In addition to this project, you will have 5 "spiral review" problems to complete each day.

Monday:

- Complete the "Week 16" spiral review problems (Monday-Friday).
- Work on your Candy Corner Project. Try and do 2 pages a day.

Tuesday:

- Complete the "Week 17" spiral review problems (Monday-Friday).
- Work on your Candy Corner Project. Try and do 2 pages a day.

Wednesday:

- Complete the "Week 18" spiral review problems (Monday-Friday).
- Work on your Candy Corner Project. Try and do 2 pages a day.

Thursday:

- Complete the "Week 19" spiral review problems (Monday-Friday).
- Work on your Candy Corner Project. Try and do 2 pages a day.

Friday:

- Complete the "Week 20" spiral review problems (Monday-Friday).
- Work on your Candy Corner Project. Try and do 2 pages a day.

I miss you all!

-Mrs. Decker :)

## **SCIENCE:**

After this week you are finished learning about energy! Next week we move on to Engineering, and in preparation, if you have any newspapers or magazines around- keep them! You will need them for an engineering project coming up!

Mon.→ Read [Insulator Lab](#) instructions and familiarize yourself with the [Engineering Design Process Notes](#)

Tues.→ Complete [Engineering Design Process](#) steps 1-4 and the [Insulator Lab Write Up](#) steps 1-4 for insulator lab

Weds.→ Build insulator & complete step 5 of the [Engineering Design Process](#)

Thurs.→ Complete Insulator Lab (follow procedure) & [Insulator Lab write-up](#) steps 5-6 and the [Engineering Design Process](#) steps 6-7

Fri.→ Complete the [Energy Transfer Quiz](#)

Return the Bell Ringers, Engineering Design Process and Insulator Lab write up as well as the Energy Transfer Quiz. Please hold on to the Engineering Design Process notes page, which will be helpful next time we use the same process for our next engineering project!

## **SOCIAL STUDIES:**

Happy May! This week we will just focus on one assignment, which is about how the civil war in Sudan and South Sudan has impacted the people who live there. Read the section (it is much shorter than a normal lesson!) and answer the three questions at the end. Pay special attention to the opening paragraph (in italics) for help with question 1. For question 3, imagine what life would be like if you were forced to leave your country because of a difficult situation (like a war or natural disaster). Think about what you would miss if you had to leave your country, some challenges of living in a new place, and maybe some good things about moving to a new country as well. Write about two paragraphs describing your imaginary experience.

I hope you are all doing well, and I look forward to seeing you in person again!

-Ms. Wartnik

**ART:**

Hello artists! Hopefully this week you received a package of art supplies!! I hope you enjoy using them and have an easier time completing some creative assignments now. At the end of the day, my goal for you is to keep creating. You'll find a new choice board (with a few repeats and several free spaces) to inspire you. I understand you have many subjects to attend to and hope your art assignments bring some fun, joy, and creativity to your day.

Please complete as many of the challenges as you would like but try for at least ONE BINGO over the next TWO weeks. So by Friday May 22nd you should complete at least 5 squares.

Fill out the creativity log and send back when you're done. Please keep your artwork! If you do have access to taking pictures and emailing, you're welcome to do so - send to [lsuveges@siuslaw.k12.or.us](mailto:lsuveges@siuslaw.k12.or.us) but just writing about what you have done is perfectly fine! I want YOU to keep what you create.

Take good care! Miss you all ~ Ms. Suveges



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## CHAPTER 13

A SHORT, SQUAT man poked his head inside Cole's room. "Ketchikan can't send a medivac plane until morning," he called out. "It's getting dark and weather has set in."

The nurse felt Cole's forehead. "Looks like you'll be spending the night at Rosey's one-star hotel."

Edwin nodded at Cole. "If you hadn't guessed, this is Rosey." A rare smile creased his lips. "She's the best nurse in Drake."

"The only nurse," Rosey added.

"If you live through Rosey," Edwin said, "you'll live through anything."

Cole shuddered with another spasm of chills as Rosey gave Edwin a light shove. "You and Garvey go make yourselves useful," she said. "Get another blanket."

Garvey handed Rosey the at.óow blanket off a chair beside the bed. "Here, we brought this in from the island."

"It's damp," she said. "Grab a fresh one from the closet."

When Cole spotted the colorful blanket beside him, he felt a sudden warmth. He reached out and grabbed its edge.

Garvey studied Cole, letting him clutch the wet at.óow as Edwin brought another blanket. He squeezed Cole's shoulder. "We'll talk more later. Get some rest now."

Cole let go of the at.óow and gripped Garvey's arm.

"I'm not going anywhere," Garvey reassured him. "Rosey and I will be here all night with you."

"Thanks," Cole whispered.

Rosey pushed in beside the bed. "This might sting a little." She poked a needle into Cole's left arm. "I'm starting an IV drip to get some fluids and antibiotics into you." Finishing, she tilted Cole's head up and put some pills gently inside his mouth. "Now, take these tablets. They should help the pain."

Cole sipped water from the glass she held to his lips and struggled to swallow the pills. When they finally went down, Rosey began working on Cole's wounds. The door opened, and another Tlingit woman brought in a Thermos of hot soup and set it next to the bed. Rosey turned to Garvey. "Maybe you can get some food into this guy."

Edwin remained standing along the wall, watching intently as Garvey placed a big pillow under Cole's head and ladled spoonfuls of chicken broth between his cracked lips.

Cole's pain dulled as the medication took effect. Sipping soup, he watched Rosey. She worked cheerfully, as if there were nothing in the world she would rather be doing. When she left the room for more dressings, Garvey turned to Cole. "That bear used you for a chew toy." He pursed his lips with concern. "I'm sorry for getting you into this."

Cole had many things he wanted to explain but he was too weak and tired now. He shook his head. "My fault!" he whispered.

Garvey glanced at Edwin, who kept his focused gaze. Rosey returned to the bed, her hands filled with rolls of gauze and a brown plastic bottle. Garvey moved away from the bed to give her room. "You get some rest while Rosey finishes patching you up," he said to Cole.

"Can't do much patching," Rosey said. "He has broken bones. I wish we had him in a hospital tonight."

Cole closed his eyes while Rosey cleaned and bandaged his open wounds. The medicine made him sleepy.

Finishing her work, Rosey whispered to Garvey, "That bear had quite a time with him. He has broken ribs and maybe a broken pelvis. Add to that hypothermia and a broken leg and arm. I'm surprised he's even talking. Must be a tough kid."

"Not as tough as he thinks," Garvey whispered back.

Edwin murmured, "He'll be okay if he ever finds a reason to live."

Cole heard everyone's words as he drifted off.

He slept troubled, dreaming of people he knew coming toward him out of a misty haze. Each person helped him. Garvey fed him. Rosey fixed his wounds. His father gave him money. Edwin offered him advice. His mother cleaned him and handed him new clothes.

Cole liked being helped. He liked using people. Suddenly a bolt of lightning struck, and all the people turned into monsters. Everything they had done for Cole faded, and they laughed at him. "You fool!" they called. "Why should we do anything for you? You're nothing! You're a baby-faced con!"

Cole awoke in a sweat. It was night. He searched the darkness frantically. He heard regular breaths near him in the dark. "Garvey," he called, realizing he could talk. "Garvey."

Garvey's hoarse voice answered, "You okay, Cole?"

Cole heard someone getting up to snap the lights on. Garvey, still wearing his rumpled jeans and faded wool shirt, hurried to his bedside. A door opened from the next room, and Rosey rushed in. "What's wrong?" she asked.

Cole looked at the two of them, his nightmare still haunting him. "I had a dream," he said, his voice raspy. "People helped me, then they turned into monsters and laughed at me."

"It was just a dream," Garvey said, resting his hand on Cole's arm.

"But you two were there."

Rosey took Cole's hand in hers. "Well, I'm not a monster." She smiled. "Maybe Garvey is."

Cole didn't smile. "Why do you guys help me?"

Rosey looked at her watch. "It sure isn't for the pay and good hours." Then she shrugged. "Why live if you can't help others and make the world a better place?"

Cole looked up at Garvey. "Why do *you* help me?"

"Because we're friends."

Cole let his frustration show. "No. You didn't even know me when you first started helping me in Minneapolis."

Garvey studied Cole before answering. "You're right. I did it for myself."

Cole nodded. "That's what I figured—you didn't care about me. You were—"

"You're wrong," Garvey said. "I did care about you. But helping others is how I help myself."

"You need help?" Cole asked, surprised.

Garvey nodded. "I see a lot of myself in you. When I was your age, I spent five long years in prison for things I'll go to my grave regretting. I lived my early years here in Drake, but no one cared enough to take me through Circle Justice. If they had, maybe things would have been different." He shook his head with a sad smile. "Take my word for it, jail scars the soul. And I was never able to help those I hurt."

"Cole," Rosey said, touching his bandaged arm. "In a few months your body will heal, but time won't heal your mind as easily. Helping others can help heal your wounds of the spirit."

Still troubled by his dream, Cole said, "There are people who want to hurt me."

Rosey squeezed Cole's hand. "Those are the people who need your help. I'll bet you weren't a bundle of fun when Garvey first met you."

Cole shook his head.

"How is your pain?" Rosey asked.

"I hurt," Cole said.

The Tlingit nurse unwrapped a packet and prepared a syringe and needle. "Let's give you something to help you sleep."

"Give me something to take away the monsters," Cole said.

"Only you can do that," she answered.

Cole slept hard, his first real sleep in many days. When he awoke, a small lamp glowed in the dark near his bed. Rosey was already up, working quietly around the room. When she heard him stir, she snapped on the lights and came over beside the bed. "Did you sleep well?" she asked.

Cole nodded.

"Let's clean your dressings this morning," she said. "The people in Ketchikan think we're witch doctors out here in the sticks."

Cole grimaced. The pain had returned with a vengeance. Rosey saw him wince and gave him another shot. "Things will hurt worse before they're better," she said. "Just warning you so

you'll know what to expect." Then she added, "But they really will get better."

While Cole waited for the medication to dull the pain, Garvey sat upright on his cot and stretched the kinks out of his back. He ran a hand through his tousled hair. "How about if I get some breakfast?" he said.

Rosey nodded approval as she hung a fresh IV. Again she took Cole's temperature and pulse. Then she brought over a paper bag containing his clothes. "Here," she said, placing the bag beside the bed. "There wasn't much left of your clothes, but I had them washed up anyway to take with you."

Cole eyed the colorful at.óow blanket folded on top of the bag.

As Garvey returned with juice and warm oatmeal, Edwin appeared at the door and announced, "The plane is in the air. Should be landing in about thirty minutes." He turned to Rosey. "After Cole eats, let's get him down to the dock. I've got help coming."

By the time Cole finished eating, two boys from the village had arrived to help lift him. The boys, both Cole's age, eyed him curiously as they carried him on a stretcher out to a waiting van. Rosey rode beside Cole in the van, holding his IV bag. When they reached the marina, the boys again helped Garvey and Edwin carry the stretcher to the end of the dock.

Rosey hung Cole's IV from a dock post. "I'll be right back," she said. "I need your medical records from the van." The boys followed Rosey, leaving Edwin and Garvey alone with Cole.

Edwin looked out at the horizon glowing red with early dawn. "Tell me what happened out there," he said.

"I didn't think anybody cared about me anymore," Cole said, struggling to speak. "That's why I burned the shelter." Hesitantly, he explained how he had tried to escape the island and how he was mauled trying to kill the Spirit Bear. "I wanted to kill it because it wasn't scared of me," he admitted.

As Garvey and Edwin listened, he continued, telling next about the storm. When Cole had finished, Garvey said, "You may never have use of that arm again. Life is made up of consequences, and you've sure made some bad choices."

Cole nodded. "My arm isn't important."

Garvey gave Cole a puzzled look. "Why do you say that?"

"If I like the cake, maybe the ingredients are okay, too." Cole smiled weakly. "A famous parole officer told me that once."

Garvey raised an eyebrow. "A famous parole officer let you get mauled by a bear. Now you'll end up in a hospital. When you're released, you'll still have your parents to deal with and you'll still be facing a jail term. I doubt the Hearing Circle will consider returning you to the island after what's happened. You realize all that, don't you?"

Cole nodded. "I do, but it's okay. Whatever happens now, I'm done being mad."

Edwin shook his head. "A person is never done being mad. Anger is a memory never forgotten. You only tame it." He pointed out toward the islands. "Tell me more about this Spirit Bear."

"The bear was pure white," Cole said. "The last time it came, it stood right over me." He spoke in a whisper. "I reached up and touched it."

Edwin studied Cole. "Spirit Bears live hundreds of miles south of here off the coast of British Columbia, not here in these islands." He shook his head. "We've hunted here since I was young, and so have my parents and their parents. There are no Spirit Bears around here except maybe in your mind."

Cole started to argue, then remembered the handful of white hair he had pulled off the bear. "Want to bet," he said, reaching for his pants in the bag beside him. Suddenly he paused. His life had become filled with lies, and the more he lied the more he always tried to prove he was right. Never had he been strong enough to simply tell the truth.

Cole put down the bag. Today things would change. From now on he would speak the truth, even if it meant going to jail. He spoke softly. "I don't need to prove anything. I'm telling the truth."

Edwin narrowed his eyes at Cole. Then he turned and walked up the dock.

"Looks like I'm going to Ketchikan with you," Garvey said. "I need to go get my things. I'll be right back." As he turned to leave, he winked. "Don't go anywhere."

Cole watched Garvey leave. Finding himself alone, he looked out at the mirrored water. Maybe he had never really seen the Spirit Bear. He strained his neck to make sure nobody was watching, then reached into the paper bag and pulled out his jeans. Carefully he poked his hand into the front pocket and wrapped his fingers around something matted and fuzzy. He pulled his hand from the bag and opened his fist.

There in the palm of his hand was a wad of hair. Cole stared. The hair was white. All white. "It's true," he whispered. "I wasn't lying." Deliberately he raised his hand and tossed the hair into the water. Beginning today, he would tell the truth. His words would become his only proof.

As loud voices approached the dock and a plane droned overhead circling to land, Cole watched the white patch of hair. It floated on the water, and the breeze tugged it out away from the dock. The little clump bobbed about, drifting with the tide, then finally blinked from sight.

Smiling, Cole rested his head on the stretcher. Edwin had said that anger was a memory never forgotten. That might be true. But the Spirit Bear was also a memory that would never disappear from his mind or heart.

**Part Two**

**RETURN TO SPIRIT BEAR**

## CHAPTER 14

### SIX MONTHS LATER

**C**OLE HOBBLED SLOWLY but without help down the sidewalk leading away from the hospital. No longer did he have full use of his right arm. His many scars made him stiff, and limping helped ease the pain gnawing at his hip. Garvey walked patiently alongside. Cole's mother followed several long steps behind. Beside her walked the guard who had arrived to escort Cole back to the detention center. The guard watched with a close eye. He had wanted to handcuff Cole, but Garvey took him aside. A heated discussion followed. Finally, the guard nodded reluctantly and allowed Cole to walk freely during the transfer.

Cole's father had never once visited the hospital, nor had he chosen to be here today. Nobody mentioned him as the group crossed the parking lot toward a parked station wagon. His absence didn't surprise Cole. One month after Cole's return from the island, the police had arrested and formally charged his father with child abuse. He denied all the accusations, of course, and paid bail before the ink dried on the warrant.

He might have never been charged except for Garvey's words to Cole's mother. Standing beside Cole's bed in the hospital, he had said to her, "This is what has come from your silence. Keep quiet now, and you share the blame." The next day, she reluctantly agreed to press charges and testify.

During Cole's hospital stay, many people from the Circle had visited him, including his mother. Her visits had been the hardest. She spoke little except to wring her hands and ask, "How are you doing?" Each visit, she repeated, "I love you. You know that, don't you?"

Cole didn't know what to say at those times. Why now, all of a sudden, should he believe she cared? She visited every day, but that didn't prove anything. She still wasn't there at night. Nobody was there after dark when visiting hours ended, when Cole was left alone with his thoughts. That was when he relived the nightmare of the mauling and felt the ache of being alone, the fear, and yes, still, the anger. Edwin had been right. Anger was a memory never forgotten.

But late at night, Cole also remembered the baby sparrows. And he remembered touching the Spirit Bear. He remembered the white hair and the gentle eyes, black orbs that peered patiently at him through the dark. Remembering those eyes brought Cole a certain calm.

Cole hugged his lame right arm in close to his chest as he turned and glanced back at the hospital. It felt good to be leaving. It had been six months since the Spirit Bear sank its teeth into his hip and arm and raked his chest into hamburger. Even now, red puffy scars still crisscrossed Cole's body and served as painful reminders of the mauling.

Although his body had begun to heal, Cole knew that many more months of therapy lay ahead. "What happened to your body would have killed many people," the physical therapist had said. "You're lucky to be alive, and your body will continue to react to the trauma for a long time. You will never have full use of your right hand again. Some nerve damage and blood flow will repair itself, but you'll always have areas of weakness, numbness, and poor circulation. Damaged muscle and cartilage will stiffen your joints. Wounds will build scar tissue—that can cripple you if you let it. Fight back. Stretch, run, push, pull, anything to expand your range of

motion. You are in a battle with your body now. Lose, and you end up crippled the rest of your life."

As they reached the guard's station wagon, Garvey turned to Cole. "The therapist told you only about your physical healing. That's the easy part." He pointed at Cole's head. "Healing up there is much harder. I don't know what the justice system will do with you now that you've burned your bridges. I'll stop by the detention center tomorrow and we'll talk."

"I'll stop by, too," Cole's mother said, her voice barely loud enough to be heard. Suddenly she reached out and hugged Cole, clinging to him. He heard her sob.

Cole felt embarrassed but did not push her away. Instead, he placed his hands on her shoulders until she released him. He swallowed a big lump that had grown in his throat. "I'll be okay, Mom," he said, crawling into the vehicle.

"Fasten your seatbelt," ordered the guard.

As Cole fumbled with the buckles, he nodded good-bye to Garvey and his mother. Now what, he thought to himself. As long as he had been in the hospital, he hadn't worried much about the future. Each day had been filled with surgeries and follow-up surgeries, physical therapy, daily visits from his mother and from Garvey, and a constant flow of visitors from the Circle wishing him well.

Cole peered out the side window of the station wagon as they drove across town. Would he end up going to jail now? And what would happen to his father? He couldn't picture his father in jail.

All too soon, the station wagon pulled to a stop in front of the detention center. Cole's pulse quickened as he eyed the familiar stark brick building. Obediently, he crawled out, letting the guard hold his elbow to escort him inside past the locked doors. He wore new clothes his mother had brought for him. All he owned now, including the at.óow blanket, fit in the small duffel bag he carried over his shoulder.

Cole found himself assigned to a different room than before. Not that it mattered. This one had the same plain walls, cement table, and bed. The only difference was the toilet. This one was dull green; the other had been tan.

When the guard closed the door, Cole walked over to the bed and hung the at.óow over the bed frame where each hour and minute it could remind him of the island. Then he sat down. He closed his eyes and drew in a deep breath. Sitting there, it was easy to remember the island, the storm, the cold, the lightning, the fallen tree, the dead sparrows, and the mauling. Now he would find out whether he could still remember the gentleness of the Spirit Bear.

When Garvey stopped by the next afternoon, he looked rushed. "Did you get settled?" he asked.

"How do you settle into a prison cell?"

Garvey smiled and pointed to his head. "It's all up here."

"Did you find out what's going to happen to me now?"

"Yes and no. As soon as it can be arranged, the Justice Circle will meet again with you. Because of what happened, they will probably relinquish authority over your case and send it back to the court system."

"Then what?"

"Then, I'm afraid, you go to trial and face sentencing."

"A jail term?"

Garvey nodded. "Most likely."

Cole looked down and picked at his thumbnail.

"How are you feeling about that?" asked Garvey.

"I'm wishing I hadn't blown my chance on the island."

Garvey nodded. "We all have things we wish we could do over again."

"Someday I'm going back to the island," Cole said.

Garvey glanced up curiously. "Any reason?"

"To see the Spirit Bear again."

"Ah, the great white bear," Garvey said.

"You don't believe I really saw one, do you?"

"You saw something, Champ," Garvey said with a frown. "Something chewed you up and spit you out."

"The bear didn't try to hurt me," Cole said.

"How do you know that?"

Cole hesitated. "When my dad uses a belt on me, I know he's trying to hurt me. I see it in his eyes. The bear was different. It was just trying to protect itself because I tried to kill it."

"Ever wonder why your dad beats you?"

Cole looked up, surprised. "I've never done anything to him."

"I didn't say you did."

"He just whips me 'cause he's mad."

Garvey smiled. "Remind you of anybody we know?" When Cole didn't answer, Garvey shrugged and walked toward the door. "I have to run, Champ," he said.

"You think I'm lying about the Spirit Bear, don't you!" Cole blurted.

Garvey paused in the doorway. "No, you're not lying. I think you *believe* you saw one," he said.

During the next week, Cole settled into the monotonous routine of the detention center. His

father still didn't visit. Each day, however, Garvey stopped by, as did Cole's mother. His mother seemed a little different now, happier, and more sure of herself. She wore casual clothes to visit instead of dressing up.

"Maybe when this is all over, we can go start a new life somewhere," she said one day.

"It will never be over," Cole said.

"That's up to us," she said. "I've quit drinking."

Cole studied his mother. "Why?"

A faraway look crept into her eyes. "Nineteen years ago, when your father and I were newly married, we were just like any other young couple—in love and full of dreams. We dreamed of having you, raising you, and having an ideal family. We never meant for things to turn out this way."

"What happened?"

"Somewhere we took a wrong turn. Life got to be more than we could handle. Your father carried too much baggage from his past—baggage he never dealt with."

"What do you mean, 'baggage'?"

She smiled sadly. "Your father isn't a bad person, but when he was younger, he had parents who beat him for everything he did. That's all he ever knew. When I saw him start doing it to you, I kept telling myself things would get better. Drinking helped me ignore reality." She shook her head. "It took a divorce and you ending up in the hospital to wake me up. I realized I couldn't change your father, but I could change me. I'm sorry you've gone through all you have. Can you ever forgive me?"

"You weren't the one who hit me."

"No, but I didn't try to stop it. I wasn't there when you needed me."

"It's okay," Cole said.

"No, it's not okay, but maybe we can change things."

Cole studied her curiously. "This is the first time you've ever talked to me about this."

She touched his hand. "This is the first time you've been mauled by a bear." Then she gave Cole a big hug.

Cole clung to his mother even after she let go, then turned away to hide his misty eyes.

One week later, Garvey announced, "The Justice Circle meets tomorrow night. I'll stop by to ride over with you."

"Does Mom know?"

Garvey nodded. "And so does your dad. By the way, we have a little surprise for you tomorrow night."

"What's that?"

Garvey gave no answer as he left.

True to his word, Garvey arrived the following evening. Cole was surprised that the guard did not handcuff him as long as Garvey accompanied them.

They arrived at the public library a little after seven o'clock. Already the Circle had gathered. Cole recognized most of the faces as those from the old Circle, including his lawyer, Nathaniel Blackwood. Peter's lawyer was there, but Peter was missing, and so were Peter's parents. Also noticeably missing from the Circle was Cole's dad.

As before, the Circle began with the Keeper giving prayer while everybody stood and held hands. As they sat down, Cole noticed that Garvey kept glancing over his shoulder toward the door. Several times he checked his watch.

After introductions, the Keeper described briefly all that had happened and why they were gathered again. She told about Cole burning the supplies, trying to escape, and being mauled. Then she ended by telling how he had spent six months in the hospital.

That wasn't the whole story, Cole thought. She didn't know about the baby sparrows, the storm, trying to survive, how cold it had been, how alone he had felt, or that he had seen and touched a Spirit Bear.

"Cole's response to this opportunity was very disappointing," the Keeper concluded. "He broke his contract with the Circle, and he violated our trust. Is there anything more this Circle can reasonably do?"

One by one the Circle members held the feather and expressed their disappointment over what had happened. "My belief is that this situation should no longer be handled by the Circle," one member finally said. Most of the others nodded their agreement.

Again Cole noticed Garvey glancing toward the door. Suddenly the door opened, and everyone turned to look.

In walked Edwin.

The Tlingit elder seemed totally out of place here in Minneapolis. He still wore faded old blue jeans, but instead of his worn T-shirt, he wore a baggy sweater that covered up most of his potbelly. "I'm sorry for arriving late," he announced. "Here in the city you have something we don't have in our village: traffic."

The Circle members chuckled as Garvey asked permission to speak. The Keeper handed him the feather, and Garvey introduced everyone to the Tlingit elder.

"May I join your circle?" Edwin asked reverently.

The Keeper nodded. "Yes, please do," she said, bringing another chair into the circle and placing it immediately to her left.

As Edwin seated himself, he looked over at Cole and nodded. Cole smiled back. The Keeper motioned for the feather to continue around the Circle. "We were just getting ready to hear

from Cole," she said. "Cole, would you please tell us why you have broken your contract with the Circle? Explain why we shouldn't transfer your case back to the court system for prosecution and sentencing."

## CHAPTER 15

"I WAS MAD," Cole said, glancing nervously around the Circle. "When I went to the island, I wasn't thinking straight. I didn't realize you were all trying to help me. I thought sending me away was just your way of getting rid of me. I went there just to avoid jail."

Cole struggled with his words. "I...I know now I was wrong, and I know I can't go back to the island after what I did. That's okay." As he handed the feather to his mother, strong doubt showed in the eyes of the Circle members. He had lied to them so often, they were numb to his words now.

"I know Cole has changed some," his mother began, her voice surprisingly strong. "Since the attack, I've seen a difference in his attitude. For the first time, he's talked openly with me. I don't know what should happen to him now. I feel like I'm just trying to pick up the pieces myself." She dabbed at her eyes. "I just hope there are pieces left to pick up." She handed the feather on.

As each member spoke, nobody argued for Cole's release. Even Cole's lawyer spoke in terms of a reduced jail term for good behavior. Each Circle member expressed regret for what had happened. All of them thought it was time to return the case to the courts.

The only person to speak in Cole's defense was Garvey. "I don't know what-all happened on that island," he said. "But there has been a change in Cole; of that, I'm sure. Whatever we decide to do, I hope this change is allowed to continue."

When Peter's lawyer received the feather, she held it indifferently beside her as if it no longer held meaning. "This whole thing has to stop now," she said strongly. "No more! Too many people have suffered and paid a price on account of Cole Matthews. Maybe someday he'll find a way to be a productive member of society. For now, it's the welfare of society that must be considered.

"Two days on an island is hardly enough time to change someone. This Circle needs to know that Peter Driscal is not rehabilitating well, either physically or emotionally. He has slurred speech and diminished coordination. This is Cole's fault. It's not something Cole can fix, but he can face the consequences. Even now, he refuses to admit the complete truth. I understand he claims that a pure white bear attacked him. Does he really expect anybody to believe such a thing? I'm told no such bear exists in the area he was sent."

The lawyer spoke firmly. "Circle Justice has proven to be a waste of time. It's time for Cole to face real consequences." She handed the feather back to the Keeper.

The Keeper ran her fingers over the feather to straighten it, as if trying to fix the damage suffered by the Circle. When she finished, she turned to Edwin. "Do you have anything to share?"

Edwin nodded. "Can I ask Cole to help me with a demonstration?" When the Keeper nodded, Edwin stood and walked to the open end of the room. He motioned for Cole to follow him. Every eye followed their movements.

"Okay," the Tlingit elder began. "Let's pretend this line is life." He pointed out a seam in the

linoleum flooring that crossed the room. He placed Cole on one side and stood himself on the other. "Cole and I are going to walk the length of this line as if going through life together. This line represents a bad path that I want Cole to move away from. I have two ways to get him away."

Edwin began leaning into Cole as they walked forward. Cole instinctively pushed back. They walked forward, pushing on each other harder and harder. Soon they were both struggling. When they reached the other end, Edwin had succeeded in pushing Cole only a couple of feet away from the line.

Breathing hard, Cole eyed Edwin with distrust.

"Okay, let's walk the other direction and try to do the same thing in a different way," Edwin said.

As Cole turned, suddenly Edwin rushed at him and shoved him hard with both hands. The push sent Cole sprawling to the floor, yards away from the line. Startled, Cole scrambled to get to his feet. Edwin offered a hand and helped him up. Cole fought the urge to hit or shove the elder. "You caught me off guard!" he said.

Edwin smiled slightly. "Yes, life does that a lot." He turned to the group. "People change two ways—with slow persistent pressure, or with a single and sudden traumatic experience. That's why people often change so much when they have a near-death experience. I believe something significant happened to Cole on the island. Six months ago, he would have come up off the floor swinging after a push like that."

Edwin paused, rubbing his rough hand over his stubbled chin. "And yes, maybe people don't change completely overnight, but I do believe they can change direction overnight. Facing in a new direction is the first step of any new journey."

"How can we be sure Cole has found a new direction?" the Keeper asked. "We've heard this claim before. He still claims he saw a white bear. Isn't that proof he is still lying to us?"

Edwin turned to Cole as they returned to the Circle. "Did you see a Spirit Bear?"

Cole thought a moment. He could lie, and they would all believe him. Or he could tell the truth, and they would all think he still lied.

"You don't need to think about the truth," said Edwin.

"I saw a Spirit Bear, and I touched it," Cole blurted out.

A thin smile pulled at Edwin's lips.

"That should be all the proof you need," exclaimed Peter's lawyer, although she no longer held the feather. "That should be the last time this Circle needs to sit here and listen to lies."

Edwin spoke. "Three weeks ago, the crew of a fishing boat returning to Drake claimed they had seen a white bear on an island near where Cole was banished. I might have questioned the report if one of the crew hadn't been Bernie."

"Who's Bernie?" asked the Keeper.

Edwin waved a hand. "Just a friend. But I've known Bernie my whole life, and he's not a man to

lie."

"I don't care if there's a black bear, a white bear, or a yellow one with green polka dots," said Peter's lawyer. "What matters is that Cole broke his contract with the Circle, and now it's time for him to pay. We give him chance after chance, and at the same time we tell him he has to face the consequences of his actions." The lawyer raised her voice almost to a shout. "No more chances!"

Cole breathed slowly. He felt strong enough now to face whatever happened. He was strong enough to not blame anybody else. He could admit that he was no longer in control, and he knew he could tell the truth. But could he control his anger? Even now it smoldered.

The Keeper spoke with a rigid voice. "We can't just build another cabin, buy more supplies, and start over as if nothing ever happened. Circle Justice isn't blind. It *is* about facing consequences."

"Why don't we just send him away to Disney World for a year?" said Peter's lawyer sarcastically.

"This time there would be no free ride," Edwin said. "If we sent him back to the island, Cole would build his own cabin, and pay for every penny of the supplies by selling things he owns and values. It would be much harder than before."

The Keeper spoke with resignation. "We have no way of knowing if Cole is over his anger."

Cole motioned for the feather. "I know I had a chance once and messed it up, so I don't expect to go back to the island." He shook his head. "Edwin told me once that anger was a memory never forgotten. He's right. When I was mauled, I didn't get over my anger. I still feel it, even now, sitting here in this chair. But I've also learned it takes a stronger person to ask for help and to tell the truth. I *am* telling the truth when I say I saw a Spirit Bear."

During the following weeks, Cole mentally prepared himself for the inevitable. He imagined attending a trial and hearing the verdict: guilty. He imagined being led in handcuffs from the courtroom and for the first time being locked into a real jail cell. The hardest thing was to imagine being locked up, day after day, week after week, month after month.

While Cole worked through his feelings, he exercised. For long hours each morning and evening, he lay on his small bed, swinging his arms and legs, arching his back, and stretching to keep his body from stiffening. Midday, he worked out on weights in the center group area. He found himself growing stronger, and he found that when he had angry thoughts, he could exercise himself into a sweaty frenzy until pain from his joints drove away his thoughts and left him spent. No amount of exercise, however, could bring strength back into Cole's right arm and hand. It was all he could do to lift a shirt.

Garvey explained to Cole after the second gathering that the Circle would continue meeting without him. He wouldn't say exactly why, but he did say that Edwin had remained in Minneapolis to attend the meetings.

During the next two weeks, Edwin stopped by to visit several times. He never said much, but he studied Cole the way a person looks at a chess-board planning the next move. When he spoke, he asked pointed questions without explaining himself. After each visit, he left without saying

good-bye. All he ever mumbled was "Gotta go."

Nathaniel Blackwood stopped by unexpectedly one day to announce he would no longer be Cole's lawyer. Cole's father had refused to pay additional legal fees, and now a public defender would be assigned. Barely two days later, Garvey and Edwin stopped by together. They sat down on Cole's bed and stared at him.

"What are you staring at?" Cole asked.

"So you think you're changed, huh?" grunted Edwin.

"What difference does it make?" said Cole. He looked down at his feet. "I feel different."

"How so?" said Garvey.

"It's hard to explain," Cole said.

"You better try." Edwin's voice left no room for discussion.

Cole quit trying to think of answers with his head, and instead, let his feelings answer. "After I was mauled, when I thought I was going to die, I felt like just a plant or something, like I wasn't important. I didn't know why I even existed. That scared me. I know it doesn't make any sense, but I realized that I was dying and I had never really even lived. Nobody trusted me. I had never loved anybody, and nobody had ever really loved me."

Edwin and Garvey exchanged a glance. "So how did that change things?" Garvey asked.

"I don't know," Cole said, emotions welling up from deep inside. "I really don't know. I just know that my dad's not going to ever come back to say he's sorry. Even if he did, he couldn't change what he did. He couldn't take away the memories."

"So, you think this is all his fault, huh?" asked Edwin.

"No," said Cole, his voice trembling. "Mom said his parents beat him up, too. I don't know where the anger all started. All I know is I don't ever want to have a kid and beat him up." Cole wiped at his eyes.

"What makes you think you're better than your dad or his parents?" asked Garvey.

"I'm no better," Cole said. "I'm worse. Dad never ended up in jail."

"Not yet," Garvey said. "So if you are worse, what makes you think things can be different for you?"

Cole swallowed hard. "Maybe they can't be. Maybe I'll never change. All I know is that things happened on the island that I can't explain. I've never been so scared." When Edwin and Garvey didn't answer, Cole found himself irritated. "What's with all the questions?" he asked. "You two are wasting your time now."

"Are we?" Edwin asked.

Cole fought back the tears blurring his vision. "You two are the only ones who ever cared about me," he blurred. "It's not like I don't appreciate what you're doing. But I screwed everything up. I'm going to jail—can't you see that? Why don't you just leave me alone now and quit wasting your time?"

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Garvey cleared his throat strongly and rubbed at his neck. "Edwin and I are probably the two biggest fools alive."

"Or maybe we remember our own pasts too well," Edwin added.

"We still believe in you and think there's hope," Garvey said. "Because of that, we've stuck our necks out so far, we feel like two giraffes. Last night we convinced the Circle to release you to our custody."

"What do you mean, your custody?" Cole asked.

"You're going back to the island," Edwin said.

## CHAPTER 16

### SOUTHEAST ALASKA

COLE'S PULSE QUICKENED as the island drifted into view. It had been fall the last time he made this trip. Then he had been wearing handcuffs and had almost lost his life. Now spring air chilled his skin. Behind Cole sat Garvey and Edwin, joking with each other and gripping the gunwales to brace themselves. There had been a heavy chop ever since they left Drake an hour ago.

Cole looked back. It had been a month since Edwin first announced this return to the island and, true to his word, he had insisted that every penny of the second banishment be funded with the sale of Cole's belongings in Minneapolis. If Cole wasted this chance, nobody else would pay a penny.

It had irked Cole, watching his sports gear, including his dirt bike, snowmobile, bicycle, skis, and even his helmet, all sold through a newspaper ad like some junk at a cheap garage sale. He squirmed on the hard aluminum boat seat. The sale no longer bothered him. If he screwed things up now, he could lose much more than a snowmobile.

As the skiff circled the point into the bay, Cole felt a rush of excitement. He scanned the thick-timbered slopes. Low, overcast skies made the forests as forbidding as he remembered them. Was the Spirit Bear still out there prowling like a ghost under the thick canopy of spruce trees? The thought of the big animal sent a shudder down Cole's spine. He kept eyeing the trees as the boat approached the shore.

"Jump out and keep the bow off the rocks," Edwin ordered.

Cole removed his shoes and flung them ashore, then obediently he vaulted over the side into hip-deep water. The icy cold grabbed at his breath and reminded him of his attempt to escape the island. That swim now seemed like a nightmare from another lifetime. He must have been crazy.

Wind blowing directly into the small protected bay had churned up a heavy surf, and Cole fought to steady the heaving boat. It was hard not being able to grip strongly with his right hand. Garvey swung himself into the water on the opposite side and helped guide the skiff to shallower water. Then, with Cole struggling to hold the bow, Edwin passed ashore the heavy boxes of basic supplies they had brought to go with the building materials delivered earlier by a larger boat.

When the skiff floated empty, Edwin stepped into the water, and all three dragged the aluminum boat out of the surf, over the rocks, and well above high-tide mark. "Try to swim away in this water and it'll kill you," Edwin warned Cole.

"I won't be running away," Cole said, retrieving his shoes. Already his feet were numb from the water.

"We'll see, won't we?" Edwin said.

"So, what do we do first?" Cole asked, looking up toward tree line at the stack of building materials.

"We don't do anything," Garvey said. "Everything is up to you now. Edwin and I will stay a few days until you finish building the shelter. Any questions, fine, but you're carrying the ball now. You're going to prove your commitment. Get a fire going first, then set up the tent." The two men headed down the shoreline. Garvey called back, "Have supper ready in two hours."

Standing alone, Cole eyed the aluminum skiff sitting unguarded. If he wanted to escape, now would be the perfect time. He shook his head. This time he would stay. He began scouring the shoreline for firewood.

When the men returned two hours later, they found Cole still putting up the tent. "Why isn't supper ready?" Edwin asked.

Cole walked to an old plastic cooler and pulled out raw hot dogs. "It is...here." When he saw the two men scowl, he added, "Just be glad I didn't take the boat while you were gone."

"That would have been a real trick," Edwin said.

"What do you mean?"

Edwin reached in his jacket pocket and pulled out a spark plug. "Engines don't run without spark plugs."

"You didn't trust me," Cole said.

"That's right," said Edwin. "Garvey and I believe in your potential, but you haven't earned trust. Not trying to escape in the skiff is a good first step."

"What would you guys do if I refused to cook anything?" Cole asked with a wry smile, as he sharpened a sapling for a hot-dog stick.

Garvey crouched beside the fire and reached his palms toward the flames to warm up. "First, we'd get hungry. Then, we'd take you back to Minneapolis."

"What's the big deal if I fix a hot dog or not?" Cole asked. "It's not the end of the world."

"The whole world is a hot dog," Garvey said.

"What does that mean?"

"Go ahead, eat a hot dog and I'll show you."

Cole poked a raw hot dog onto the stick and held it over the fire. He hadn't realized how hungry he was, so he held the hot dog in the flames to cook faster. All the while, Edwin and Garvey stared patiently. When the hot dog was charred, Cole placed it on a bun. "Now what?" he asked.

"Eat it."

Cole squirted on a glob of ketchup, then devoured the hot dog. Edwin and Garvey kept watching. "There," Cole said, finishing. "I ate the hot dog. Now what?"

"How was it?" Garvey asked.

Cole shrugged. "Okay, I guess. Why?"

"That hot dog did exactly what you asked it to do. You asked it to feed you, and it fed you. No

more, no less." Garvey held out his hand. "Pass me a hot dog."

Cole pulled another one from the cooler and handed it across the flames. Garvey took the hot dog carefully in his hands and examined it. "This is a fine hot dog," he said. "The finest I've seen all day." Carefully he slid it onto the stick. He started humming. Soon Edwin hummed along. For ten minutes they hummed the melody over and over. All the while, Garvey patiently turned the hot dog over the coals, careful not to burn it. Finally, when the hot dog was a glistening, crispy brown, Garvey drew the stick back from the fire. "The song we hummed is a song of friendship," he explained.

"What are the words?" Cole asked.

"There are no words because each person makes up his own. That's how friendship is." As Garvey spoke, he rummaged through the cooler, pulling out salt and pepper, cheese, a plate, cups, and a tomato. He leaned a bun against a rock near the coals to let it toast lightly, then wrapped it around the hot dog.

"You going to eat that thing, or play with it all day?" Cole asked.

Garvey smiled and kept working. He cut the hot dog into three pieces on a plate and lightly shook on salt and pepper. Next he cut slices of cheese and tomato and put them on top. With a flair, he added a small circle of ketchup to each. Last, he poured three glasses of water. He handed one to Cole and one to Edwin. "This is a toast to friendship," he said, raising his glass.

After taking a drink, he handed Cole and Edwin each a piece of the hot dog he had prepared.

"That's your hot dog," said Cole.

"Yes, it is, and I choose to share it," said Garvey. He began eating, savoring each bite. "Eat slowly," he said, raising his cup again to toast. "Here's to the future." After each bite, he raised his cup for a different toast. "Here's to good health." "Here's to the sun and the rain." "Here's to the earth and the sky."

When everybody had finished eating, Garvey turned to Cole. "How was my hot dog different from yours?"

Cole shrugged. "You shared yours and acted like it was a big deal."

Garvey nodded. "Yes, it was a big deal. It was a party. It was a feast. It was a sharing and a celebration. All because that is what I made it. Yours was simply food, because that is all you chose for it to be. All of life is a hot dog. Make of it what you will. I suggest you make your time here on the island a celebration."

Cole scuffed at the dirt with his shoe. "What is there to celebrate?" he asked.

"Discover yourself," Edwin said. "Celebrate being alive!"

## Touching Spirit Bear

# Book Talk Questions for chapters 13-16

**This is NOT an ASSIGNMENT!**

**Spoiler Alert!** These are the questions that we will discuss during our Book Talks this week. After reading each chapter review these topics and come to our Google Meet prepared to discuss them.

### Chapter 13 - To be discussed on Tuesday, May 5th

1. Why is it significant that Cole whispers "My fault!" when Garvey apologizes for getting Cole into this situation?
2. Garvey tells Cole that he will still be facing jail time when he recovers. Considering what he went through, do you think this is fair?
3. Why does Cole throw out the hair he pulled from Spirit Bear? Would you have done the same?
4. Edwin says that Cole will be okay if he ever finds a reason to live. Do you think Cole has found his reason to live? Explain.

### Chapter 14 - To be discussed on Wednesday, May 6th

1. What happened to Cole's father? Why does it seem Cole's mother charged him?
2. Cole's mother appears to have a change of heart regarding her lifestyle and relationship with Cole. Describe the changes and consider why you think she has changed.
3. Cole's mother discusses how his father was beaten as a child, and she says this was a reason for him abusing Cole. How is this also a circle?
4. When Cole returns to the Circle, there are two people missing. Who are they? Why do you think they are not there?

**Chapter 15 - To be discussed on Thursday, May 7th**

1. How is Peter recovering from the injuries caused by Cole?
2. How does Edwin demonstrate the change in Cole's path in life?
3. What did Edwin's friend Bernie see on an island near the one on which Cole had been placed? What does this prove?
4. Peter's lawyer is very abrupt and not kind to Cole. Why do you think the lawyer acts in this manner?
5. The Keeper says that they have no way of knowing if Cole is over his anger. What is his response?
6. What news does Cole receive from Edwin and Garvey at the chapter's end? Would you have made the same decision? Why or why not?

**Chapter 16 - To be discussed on Friday, May 8th**

1. How is Cole's second trip to the island being funded?
2. When Cole asks "What do we do first" Garvey responds "Everything is up to you now." Why would he say this?
3. What are some of the first tasks Cole has to complete?
4. What could Garvey's observation that "all the world is a hot dog" mean?
5. Cole briefly considers the possibility of taking the skiff and returning to the mainland. However, even if he had tried, Edwin had removed the spark plugs from the engine, so it would not have worked. What does this incident tell us about Cole, Edwin, and Garvey?

# Quiz Chapters 7-13

Touching Spirit Bear, by Ben Mikaelson

You can use the book, assignments, and notes for help as needed.

1. What is Cole's intention when he makes a spear for a weapon? 1 point

*Mark only one oval.*

- Cole will use the spear to hunt for food.
- Cole wants to kill the Spirit Bear.
- Cole makes the spear as protection from predators.

2. Which of the following is NOT some of the damage that Cole endures from the bear attack? 1 point

*Mark only one oval.*

- Cracked pelvis
- Broken arm
- Concussion

3. What advantage do the baby birds have over Cole? 1 point

*Mark only one oval.*

- The baby birds can leave the island, and Cole is sentenced there for a year.
- The baby birds have a mother who watches over her young, and Cole has been left alone with no guidance and comfort from his mother.
- The baby birds have the at.oow blanket to keep them warm

4. What happens to the tree with the sparrow's nest during the storm? 1 point

*Mark only one oval.*

- It is flooded with water from the rain.
- Cole takes the nest out of the tree to protect the birds.
- It is knocked over by a lightning strike.

5. What emotion does Cole feel toward the baby sparrows after they died? 1 point

*Mark only one oval.*

- Hatred
- Love
- Envy

6. Which of the following is NOT something Cole does to survive? 1 point

*Mark only one oval.*

- Cole eats a mouse, chunks of fish from his vomit, worms, and bugs.
- Cole places mud over his skin to keep the mosquitoes from biting him.
- Cole kills the Spirit Bear to have food to eat.

7. What was the buzzing sound Cole heard? 1 point

*Mark only one oval.*

- Flies buzzing around his head
- A chainsaw buzzing in the forest
- The motor of the boat containing Edwin and Garvey

8. When Cole says that he's okay, what does he mean by this? 1 point

*Mark only one oval.*

- Cole's experiences have helped him understand his role in life's circle, and he's beginning to heal emotionally.
- Cole doesn't hurt physically.
- Cole has forgiven his parents for treating him badly.

9. What is the most important advice Rosey gives Cole at the clinic? 1 point

*Mark only one oval.*

- "Getting enough rest will help you heal."
- "Try not to dream about monsters."
- "Helping others will heal your spirit."

10. Why does Cole throw out the hair he pulled from the Spirit Bear? 1 point

*Mark only one oval.*

- He is done lying and wants his words to be enough.
- The hair makes him vulnerable to attack from other predators.
- It is illegal to keep hair from a Kermode Bear.

11. Edwin says that Cole will be okay if he ever finds a reason to live. Do you think Cole has found his reason to live? If so, what is his reason to live? Please write a paragraph (5-7 sentences) to explain your thoughts. Extra credit if you include a quote from the book. 5 points

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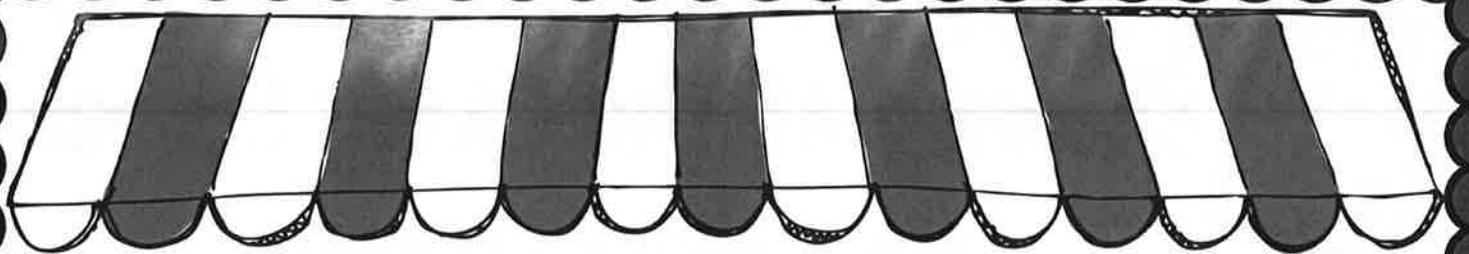
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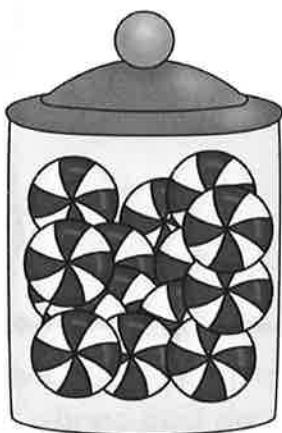
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# The Candy Corner

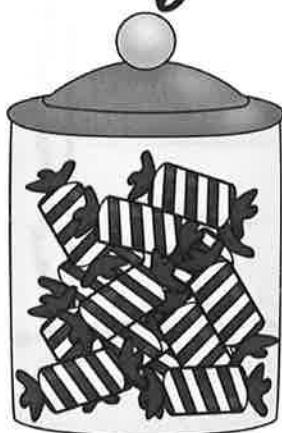
## Bulk Candy



Peppermints  
\$2.37/pound



Candy Corn  
\$5.78/pound



Tootsie Rolls  
\$7.61/pound



Jelly Beans  
\$8.96/pound



Gumballs  
.75/spin



Grape Pops  
\$1.25/three



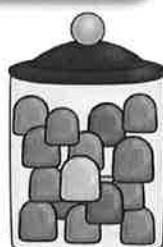
Swirly Pops  
\$19.39/dozen



Strawberry Pops  
\$4.54/six



GRAB BAG!  
\$6.52/pound



Gumdrops  
\$3.23/scoop



# Shopping at The Candy Corner

## Multiplying Decimals

1. Select three pounds of any three different candies (9 pounds total). How much would it cost to buy 9 pounds of this candy for 3 of your friends AND yourself?

3 Candies/Price Per Pound

\_\_\_\_\_   \_\_\_\_\_  
\_\_\_\_\_   \_\_\_\_\_  
\_\_\_\_\_   \_\_\_\_\_

Price for 9 pounds = \_\_\_\_\_

Price for 36 pounds = \_\_\_\_\_

2. Aubrey was buying candy for goodie bags for her birthday party. She bought 6 pounds of Jelly Beans. How much did she spend on Jelly Beans?

3. Abigail bought 4 pounds of peppermints and Sophia bought 3 pounds of Grab Bag candy. Who spent less money? By how much?

4. Fred bought 12 Strawberry Pops, 4 spins of the gumball machine, and 3 scoops of Gumdrops. How much did he spend?



# Shopping at The Candy Corner

## Dividing Decimals

1. How much does each swirly pop cost?

(Large dotted box for writing)

2. How much does each grape pop cost?

(Large dotted box for writing)

3. If there are 12 gumdrops per scoop, how much is each gumdrop?

4. If 5 gumballs are released with each spin, how much is each gumball?

(Medium dotted box for writing)

(Medium dotted box for writing)

5. David and Mary split the cost of a pound each of Jelly Beans, Gumdrops, and Peppermints. How much did they each pay?

(Large dotted box for writing)

6. Joe and Kim split a pound of Grab Bag candy and a pound of Gumdrops. How much did they each pay?

(Large dotted box for writing)



# Shopping at The Candy Corner

## Multiplying & Dividing Decimals (Multi-Step)

1. Buy at least 7 pounds of candy of your choice PLUS at least two dozen lollipops of your choice. Show all of your work and write the total price. Then, find out how much it would cost if you split the price between 4 people.

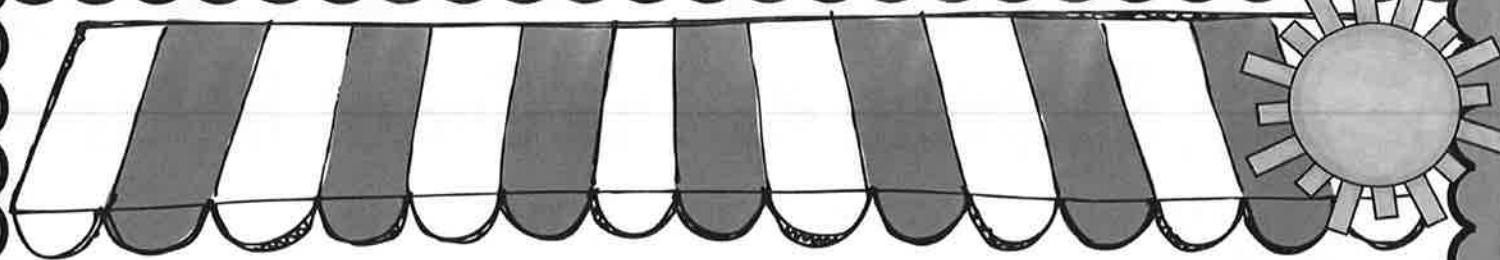
Answers

Total Price of Candy = \_\_\_\_\_

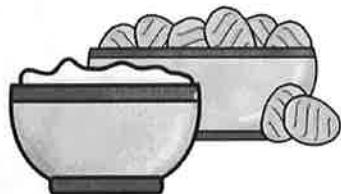
Cost for 4 people = \_\_\_\_\_

2. Cheryl, Paul and 3 of their friends split 8 pounds of Tootsie Rolls. How much does each person pay?

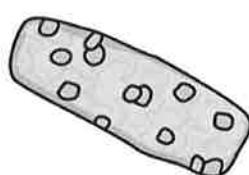
3. Candy Corn went on sale for HALF the regular price the week after Halloween. How much would 5 pounds cost now?



# Snack Shack



Chips 'N Dip  
\$2.57



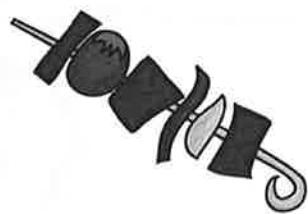
Corn on the Cob  
\$1.75



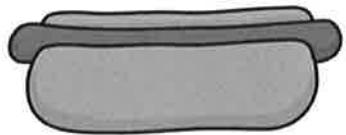
Salad  
\$4.49



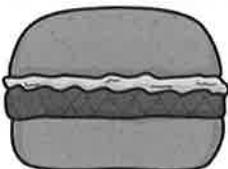
Popcorn  
\$3.76



Shish-kabob  
\$3.76



Hot Dog  
\$1.23



Hamburger  
\$5.49



Steak  
\$8.92



Ice Cream OR  
Watermelon  
\$2.55

Lemonade OR  
Soda  
\$1.74



Condiments  
.75/each



# Shopping at The Snack Shack

## Multiplying Decimals

1. Clara buys 8 sodas, one for everyone in her family. How much does she pay?

2. The Jones family has 6 members. Half of the family buys a hot dog, and half of the family buys a steak. How much does the family pay for their meal?

3. Buy yourself a meal (you must buy 3 items), then triple the price to make sure you have enough food to feed your 2 friends who are with you.

4. For Luke's party, his parents buy 4 Chips 'N Dips, 2 Salads, 8 Shish-kabobs and 8 ice cream cones. How much money do they spend?



# Shopping at The Snack Shack

## Dividing Decimals

1. 5 friends split the cost of condiments for their hotdogs. How much do they each pay for the condiments?

(Large dotted box for writing)

2. Choose 4 items to buy. Split the cost of all 4 items with your best friend. How much do you each pay?

(Large dotted box for writing)

3. If you could buy Ice Cream AND Watermelon together for the price of \$2.55, how much would each one cost individually?

(Large dotted box for writing)

4. If the steak you are purchasing is 6 ounces, how much does each ounce cost?

(Large dotted box for writing)

5. There are 6 pieces of food on each shish-kabob. How much does each piece cost?

(Large dotted box for writing)



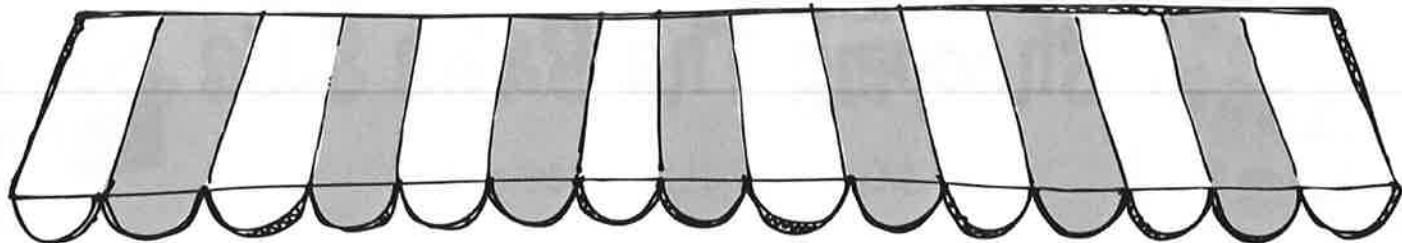
# Shopping at The Snack Shack

Multiplying & Dividing Decimals (Multi-Step)

1. You go to the Snack Shack with 5 friends (6 people total). You each have \$10 to spend and you want to buy a variety of food and drink to share. What items will you buy and how much will it end up costing each of you if you split the cost of the food and drink evenly?

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2. If 3 more friends show up and want to add 3 sodas and 3 hot dogs to the bill, then how much will each person have to pay?



Apple Pie

\$9.95/pie  
\$1.75/slice



Pumpkin Pie

\$11.57/pie  
\$1.98/slice



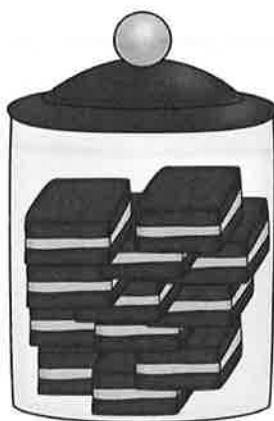
Cherry Pie

\$7.92/pie  
\$1.32/slice

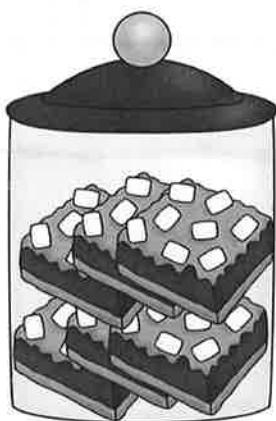


Pecan Pie

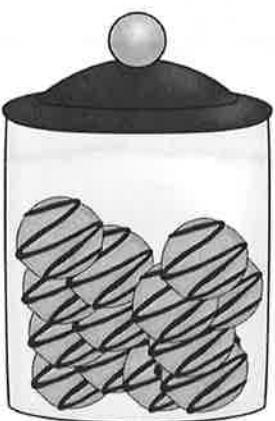
\$13.86/pie  
\$2.49/slice



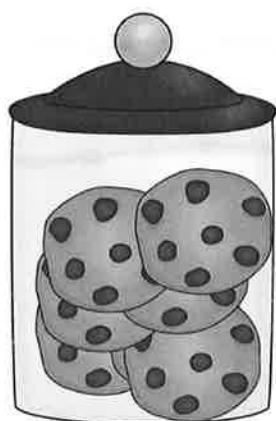
Lemon Brownie  
\$7.44/dozen  
\$.22/brownie



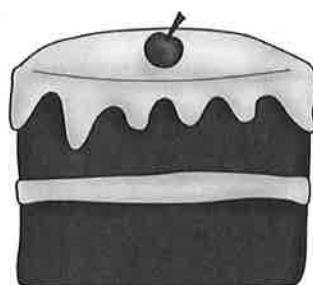
S'mores Bar  
\$9.87/dozen  
\$.49/bar



Shortbread  
\$4.75/dozen  
.49/cookie



C.C. Cookies  
\$6.55/dozen  
.99/cookie



Cocoa Cake  
\$22.99/cake  
\$.45/slice



Vanilla Cake  
\$14.76/cake  
\$.11/slice



Cocoa Cupcake  
\$12.87/dozen  
\$.246/cupcake



Vanilla Cupcake  
\$11.53/dozen  
\$.215/cupcake



# Shopping The Bake Sale



## Multiplying Decimals

1. How much would 4 dozen S'mores Bars cost?

2. How much would 6 dozen C.C. Cookies cost?

3. How much would 3 Pecan Pies and 2 Apple Pies cost?

4. How much money do you save by purchasing the Vanilla Cupcakes in a dozen pack versus buying twelve individual cupcakes?

5. There are 6 slices of cake in a whole cake. How much would it cost to buy the Vanilla Cake AND the Cocoa Cake if you purchased each cake BY THE SLICE?



# Shopping The Bake Sale



## Dividing Decimals

1. If there are 6 slices in each cake, how much is each slice of Vanilla cake if you purchase it as a whole cake?

2. How much does each Lemon brownie cost when you buy them in a dozen pack?

3. How much does each Pecan pie slice cost if you buy it by the pie and there are 8 slices in each pie?

4. Bailey and his best friend split a slice of pumpkin pie and a slice of apple pie. How much do they each pay for the slices?

5. A group of 8 kids pitch in to buy the following: 1 slice of pecan pie, 1 shortbread, 1 vanilla cupcake, and 1 slice of vanilla cake. How much do they each pay for the goodies?



# Shopping The Bake Sale

Multiplying & Dividing Decimals (Multi-Step)



1. Your mom says you can buy 3 of any item you would like plus 5 of another item you would like. She will split the cost with you. List the items you will buy and then calculate the portion that you will have to pay.

Answers

Total Price of Goodies = \_\_\_\_\_

Amount you pay = \_\_\_\_\_

2. If you bought 12 C.C. Cookies by themselves, how much more would EACH COOKIE cost than if you bought them by the dozen?

3. If you bought 2 dozen of each type of cupcake, how much per cupcake would you pay for ALL of them?

NAME: \_\_\_\_\_

WEEK 16

# DAILY MATH PRACTICE

MONDAY

1. Find the LCM.

9

12

2. Find the average.

18    9    15    11    13    15

5. Mario bought tickets to the amusement park. They were originally \$45 each. However, they were on sale for \$30. What percentage discount did Mario receive?

3. Which is less?

-12

-15

4. How many inches are in 5 feet, 4 inches?

1. Find the LCM.

8

5

2. Find the average.

68    69    25    71    43

5. Crayons were on sale for 25 cents for a pack of 16. This was down from the normal price of 75 cents per 16 pack. What is the percent discount buyers are getting per crayon at this sale price?

3. Which is more?

23

-23

4. How many feet are in 54 inches?

1. Find the LCM.

9

4

2. Find the average.

94    98    100    68    93

5. Lenard and Penny bought a new couch that was originally priced at \$2,580. After their discount, they paid \$1,548 for the couch. What percent of the original price did they pay?

3. Which is less?

16

14

4. How many feet are in 4 yards?

WEDNESDAY

<b>THURSDAY</b>	1. Find the LCM.  2                   3	2. Find the average.  20     30     50     40     60	5. My mom put \$500 in a savings account that earned 2.5% interest each month. How much money was in the account after 3 months? <b>(Hint:</b> You must recalculate the total each month!)
	3. Which is less?  -10               -20	4. How many feet are in $15 \frac{1}{2}$ yards?	

<b>FRIDAY</b>	1. Find the LCM.  8                   12	2. Find the average.  56     65     45     76     77	5. At the store, I bought coffee that costs \$9.86, creamer for \$2.15, and sugar that was \$1.99. If I used my employee discount and got 15% off, what was my total bill?
	3. Which is more?  -11               -12	4. How many inches are in 6 feet, 2 inches?	

<b>REFLECT &amp; GROW</b>	<b>CORRECTION #1</b>	<b>REFLECT:</b> What area of math have you grown the most this year? How do you know?  _____ _____ _____
	<b>CORRECTION #2</b>	<b>TEACHER NOTES:</b>

NAME: \_\_\_\_\_

WEEK 17

# DAILY MATH PRACTICE

<b>MONDAY</b>	1. Solve. $6 \times 0.9 \times 1.03$	2. Compute. $ 12 - 18 $	5. Antonio filled his car with gas for \$45. If gas is selling for \$3.50 per gallon, how many gallons did Antonio put in the car?
	3. What is the area of a right triangle with a base that is 5.5 feet and a height of 6 feet?	4. Theresa is three years older than Marco, who is 5 years younger than John. If John is 15, how old is Theresa?	
<b>TUESDAY</b>	1. Solve. $14 \times 0.8 \times 2.05$	2. Compute. $ -6 + 2 $	5. Tracy ran for 45 minutes today. If she was running at a pace of 7 miles per hour, how far did she run?
	3. What is the area of a right triangle with a base that is 5 meters and a height of 7 meters?	4. Kaylie is 6 years younger than Sam, but Sam is twice Andie's age. If Andie is five, how old is Kaylie?	
<b>WEDNESDAY</b>	1. Solve. $8 \times 0.08 \times 2.009$	2. Compute. $ -16 - 4 $	5. Muriel bought 2 cases of soda. If each case had 24 sodas, and they were selling at a cost of 21 cents per can, how much did Muriel pay?
	3. What is the area of a right triangle with a base that is 21 inches and a height of 10 inches?	4. Matt is three years older than Mike, but Laura is 5 years older than Matt. If Laura is 23, how old is Mike?	

<b>THURSDAY</b>	1. Solve. $6 \times 2.6 \times 3.01$	2. Compute. $  -7 + 1  $	5. Kashawn biked for 2.5 hours at a pace of 15 miles per hour. Halfway through his ride he turned around to head back home. How many miles from his home did he travel on his bike ride?
	3. What is the area of a right triangle with a base that is 2.5 meters and a height of 3.75 meters?	4. Ed is 6 years old. His sister is half his age, and his brother is the sum of both Ed and his sister's age. How old is Ed's brother?	

<b>FRIDAY</b>	1. Solve. $12 \times 4.03 \times 0.005$	2. Compute $  -10 + 5  $	5. Shad swims at a pace of 15 laps per hour. If he swam 40 laps today during practice, how long was he in the pool?
	3. What is the area of a right triangle with a base that is 14 feet and a height of 10 feet?	4. Tony's age is twice Leslie's, but Leslie is 7 years younger than George. If George is 17, how old is Tony?	

<b>REFLECT &amp; GROW</b>	<b>CORRECTION #1</b>	<b>REFLECT:</b> Which question was easiest this week? Why do you think it was so simple for you? _____ _____ _____
	<b>CORRECTION #2</b>	<b>TEACHER NOTES:</b> _____ _____

GRADE:

NAME: \_\_\_\_\_

WEEK 18

# DAILY MATH PRACTICE

MONDAY

1. Convert.

$$68 \text{ m} = \underline{\hspace{2cm}} \text{ cm}$$

2. Compute.

$$|-14 + 6|$$

5. A classroom library has 100 books. Half of the books are fiction. Of the books left, a tenth are about animals. What percentage of the classroom library is animal books?

3. Show the decimal as a percent.

$$\underline{.25}$$

4. What is the range?

27    14    28    19    10

TUESDAY

1. Convert.

$$1,450 \text{ mm} = \underline{\hspace{2cm}} \text{ km}$$

2. Compute.

$$|22 - 27|$$

5. A school has 20 classrooms. One-fourth of the classrooms are for kindergarten and first grade. Twice as many are for second and third grade. The rest are for fourth and fifth grade. What percent of the classrooms are for 4<sup>th</sup> or 5<sup>th</sup> graders?

3. Circle the dividend.

$$124 \div 4 = 31$$

4. What is the range?

15    34    28    29    17

WEDNESDAY

1. Convert.

$$25 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

2. Compute.

$$|-16 - 2|$$

5. A candy jar has 24 candies. One-third of the candies are chocolates. Of the leftover candies, half are gummy bears and the other half are Skittles. What percent of the candies are Skittles?

3. Write the reciprocal.

$$\frac{7}{8}$$

4. What is the range?

33    34    38    39    47

<b>THURSDAY</b>	1. Convert.  18 cm = _____ km	2. Compute.    -44 - 16	5. A box of donuts has 12 total. One-fourth of the donuts have sprinkles. Of the remaining donuts, one-third have cherry filling. The rest are plain. What percent of the donuts are plain?
	3. Circle the coefficient.  $2c + 16$	4. What is the range?  66   74   58   79   78	

<b>FRIDAY</b>	1. Convert.  120 mm = _____ m	2. Compute.    -3 + 2	5. A jewelry box has 10 items. Of those half are necklaces. Two-fifths of the others are bracelets. The rest are rings. What percent of the jewelry is rings?
	3. Circle the variable.  $24(2 + a)$	4. What is the range?  100   84   98   79   97	

<b>REFLECT &amp; GROW</b>	<b>CORRECTION #1</b>	<b>REFLECT:</b> What strategy did you use to answer the questions in box 5? Why was this useful?  _____ _____ _____ _____
	<b>CORRECTION #2</b>	<b>TEACHER NOTES:</b>  _____ _____

NAME: \_\_\_\_\_

WEEK 19

# DAILY MATH PRACTICE

**MONDAY**

1. Solve.

$$\begin{array}{r} 22.678 \\ - 12.406 \\ \hline \end{array}$$

2. Which number makes the equation true?

$$2x = 90$$

35    40    45    50

5. A police officer is tracking the speed of drivers on a section of road near the school. The data below shows the speed of the drivers tracked.

25    15    18    20    10    15    17  
20    22    16    15    14    18    20

Create a box plot for the data.

3. Compute.

10% of 125

4. Compare using  $<$ ,  $>$ , or  $=$ .

$$-15 + 7 \bigcirc 8$$

**TUESDAY**

1. Solve.

$$345.50 \times 150.2$$

2. Which number makes the equation true?

$$3x + 10 = 70$$

10    20    30    40

5. The scores on a math test are shown below.

89    90    92    70    67    77    99  
85    92    73    76    98    68    87  
75    96    70    82    80    83    94

Create a box plot for this data.

3. Compute.

40% of 20

4. Compare using  $<$ ,  $>$ , or  $=$ .

$$-2 \times 3 \bigcirc 0$$

**WEDNESDAY**

1. Solve.

$$\begin{array}{r} 125.00 \\ \times .25 \\ \hline \end{array}$$

2. Which number makes the equation true?

$$x + 25 = 57$$

32    42    22    12

5. The data shows the number of points a basketball player scored each game.

10    14    23    14    25    32    43  
13    15    17    23    35    20    10

Create a box plot for this data.

3. Compute.

25% of 50

4. Compare using  $<$ ,  $>$ , or  $=$ .

$$-12 + 15 \bigcirc 0$$

<b>THURSDAY</b>	1. Solve.  $980 \div 0.5 =$	2. Which number makes the equation true?  $47 + 2x = 67$  12    10    16    18	5. A group of friends is doing the marshmallow challenge. Each friend records how many marshmallows he can fit in his mouth. The data is shown below.  15 22 18 12 20 14 19 30 15 10 18 22  Create a box plot for this data.
	3. Compute.  15% of 85	4. Compare using $<$ , $>$ , or $=$ .  $6 - 10 \bigcirc -2$	

<b>FRIDAY</b>	1. Solve.  $12.75 \div 3$	2. Which number makes the equation true?  $124 - x = 76$  38    42    48    52	5. The number of sodas sold at a gas station in two weeks is shown.  45 56 88 34 46 50 27 67 54 90 45 32 38 30  Create a box plot for this data.
	3. Compute.  30% of 150	4. Compare using $<$ , $>$ , or $=$ .  $-2 + 3 \bigcirc 1$	

<b>REFLECT &amp; GROW</b>	<b>CORRECTION #1</b>	<b>REFLECT:</b> Which questions were the most challenging for you this week? Why?  _____ _____ _____
	<b>CORRECTION #2</b>	<b>TEACHER NOTES:</b>  _____ _____

NAME: \_\_\_\_\_

WEEK 20

# DAILY MATH PRACTICE

<b>MONDAY</b>	1. Solve.  $75 - 16 \div 2^2$	2. Which makes the inequality true?  $2x + 3 > 90$  35    40    45	5. The data shows the number of words read per minute for a group of students.  130 145 95 122 117 91 153 111 80 101 172 118 Create a histogram for this data.
	3. Find the quotient.  $\frac{6}{8} \div \frac{1}{4} =$	4. The ratio of flour to sugar was 3:2 in a cookie recipe. If 12 cups of flour were added, how many cups of sugar were needed?	

<b>TUESDAY</b>	1. Solve.  $5^2 + (13 - 3)$	2. Which makes the inequality true?  $3x + 10 < 70$  10    20    30	5. The data shows the number of mini marshmallows different students could fit in their mouth.  13 14 15 12 17 19 5 11 10 11 14 8 7 6 Create a histogram for this data.
	3. Find the quotient.  $\frac{4}{9} \div \frac{7}{8} =$	4. The ratio of cups of frosting to cupcakes was 2:12. If 3 dozen cupcakes were made, how much frosting was needed?	

<b>WEDNESDAY</b>	1. Solve.  $(10 + 5)^3$	2. Which makes the inequality true?  $x + 25 > 57$  32    42    22	5. The data shows the number of miles students travel to school each day.  1 4 6 12 3 7 9 5 12 3 1 3 10 9 8 4 2 10 6 5 4 11 7 3 6 9 12 Create a histogram for this data.
	3. Find the quotient.  $\frac{6}{10} \div \frac{2}{9} =$	4. The ratio of legs to dogs was 4:1. If I counted 32 legs, how many dogs were there?	

THURSDAY

1. Solve.

$$20(2^3 - 3)$$

2. Which makes the inequality true?

$$40 + 2x > 60$$

12      10      8

5. The data shows points scored on a math test.

50	51	62	64	58	73	74
61	56	73	59	66	58	68
72	61	74	53	57	62	69

Create a histogram for this data.

3. Find the quotient.

$$\frac{2}{3} \div \frac{1}{4} =$$

4. The ratio of pickles to hamburgers is 3:1. If 24 pickles were used, how many hamburgers were made?

FRIDAY

1. Solve.

$$121 \div 11 + 2^3$$

2. Which makes the inequality true?

$$124 - x < 76$$

42      48      52

5. The data shows the monthly cell phone costs for different people.

\$71	\$69	\$84	\$62	\$78
\$82	\$65	\$75	\$72	\$68
\$62	\$71	\$83	\$95	\$54

Create a histogram for this data.

3. Find the quotient.

$$\frac{5}{10} \div \frac{7}{8} =$$

4. The ratio of spider legs to spiders is 8:1. If there are 12 spiders, how many legs?

REFLECT &amp; GROW

**CORRECTION #1****REFLECT:** Describe your strategy for solving the questions in box 3 this week.

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**CORRECTION #2****TEACHER NOTES:**

GRADE:

## **Science Week 4**

Mon.→ Read Insulator Lab instructions and familiarize yourself with the Engineering Design Process Notes

Tues.→ Complete Engineering Design Process steps 1-4 and the Insulator Lab Write Up steps 1-4 for insulator lab

Weds.→ Build insulator & complete step 5 of the Engineering Design Process

Thurs.→ Complete Insulator Lab (follow procedure) & Insulator Lab write-up steps 5-6 and the Engineering Design Process steps 6-7

Fri.→ Complete the Energy Transfer Quiz

### **Week 4 Bell Ringers:**

**Monday:** What is something that you learned in the conduction lab that might help you in our next lab, the insulator lab?

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**Tuesday:** Give some examples of convection.

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**Wednesday:** Give some examples of conduction.

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**Thursday:** How long do you think the ice in your insulator will last?

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**Friday:** What would you change about your insulator, that you think would have helped keep your ice colder, longer?

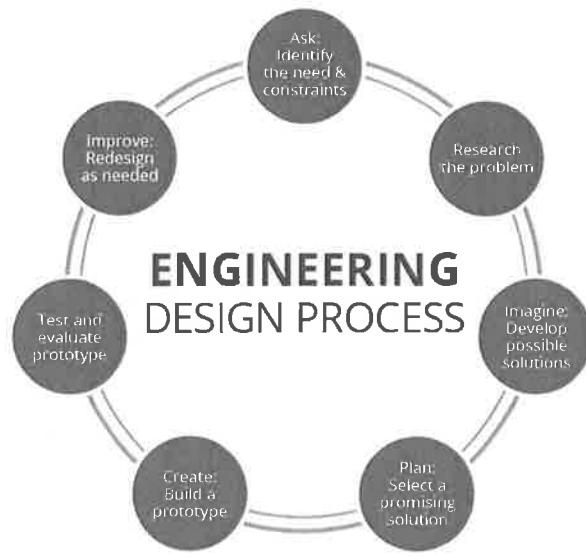
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# Insulator Lab Directions

*This lab is only to be completed with adult supervision and appropriate lab clothing: long pants and closed-toed shoes are required if you're using glass. This lab needs to be completed in the kitchen or a flat open surface where it can be unbothered over the course of the day. If you do not have the materials, feel free to improvise (safely) to the best of your ability with what you have at home.*  
**You will be making an insulator to enclose a glass jar, which will hold ice. The goal is to insulate your jar as well as possible, so that your ice stays frozen as long as possible.**

1. Use any recycled materials that you might think are good insulators to build an insulator for your glass jar
  - Rules: It must be designed by you (no coolers, hydroflasks, etc..)
  - You must be able to remove the lid of your jar frequently to check for ice
  - Your jar cannot be refrigerated, it should sit on a counter out of the sun
2. In the morning of the lab, fill your glass jar with ice cubes
3. Start the timer
4. Every hour record observations
5. Record the time when your last piece of ice has melted completely.

# Engineering Design Process Notes



**1. Ask:** The need is what you are making (an insulator to keep ice cold as long as possible) and the constraints are the things you can't do (use a pre built insulator or anything that uses electricity)

**2. Imagine:** Brainstorm any possible ideas you have that you could use for this insulator. Don't think about whether they're good or bad ideas, just write them down.

**3. Plan:** This is where you decide what you're actually going to use for your

insulator. Write step by step instructions on how you will build it and what materials you will use.

**4. Design:** Sketch and label what you plan to make your insulator look like. You might draw it as a cross section so that we can see what each of the layers on top of your jar will look like. Label each of the materials.

\*Build your insulator now\*

**5. Create:** As you built, what things did you need to change? Maybe something didn't work like you thought it would so you did it differently, or you ran out of a certain material so you changed it to something else.

\*Do the lab- This could take up to 12 hours, so start early and give yourself time\*

**6. Test:** As you're doing the lab, what is happening? When you finish, how did your insulator perform and how long did the ice last? Were you happy with how long your ice lasted?

**7. Improve:** If you were to do this lab again, what would you change about your design? What materials would you use again, or what materials would you use instead? Where do you think the weakest part of your design was?

# The Engineering Design Process

#### **7. Improve:** Redesign as needed

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## **6. Test: Evaluate the Prototype**

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## **5. Create:** Changes from plan

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### **1. Ask: Identify the criteria:**

Identify the constraints \_\_\_\_\_

## Research the topic

#### **4. Design: Sketch & Label**

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Period: \_\_\_\_\_

Grade: \_\_\_\_\_ /30

## **2. Imagine:** Brainstorm Solutions

### **3. Plan: Develop A Promising Solution**

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

Date: \_\_\_\_\_ Science Period: \_\_\_\_\_

## Insulator Lab

*Directions: This lab is only to be completed with adult supervision and appropriate lab clothing: long pants and closed-toed shoes are required if you're using glass. This lab needs to be completed in the kitchen or a flat open surface where it can be unbothered over the course of the day. If you do not have the materials, feel free to improvise (safely) to the best of your ability with what you have at home. Regular text is an explanation of the scientific method & expectations for each section. Bold text is information pertaining to this lab write up. Fill in the information where you are asked to.*

1. **Purpose:** The question we ask ourselves that drives the purpose of the lab. We are trying to answer this question by doing the lab, but you don't need to answer it until you've finished the lab.  
**What materials and processes will keep ice frozen for as long as possible?**
  
2. **Hypothesis:** An educated guess of what we think is going to happen, using an "if... then... because..." statement; If we do the lab, then what will happen, because why?  
**If** (what is your insulating process, briefly?)  
**Then** (how long do you expect your ice to stay frozen)  
**Because...**
  
3. **Materials:** The supplies we need for this lab. Since you are working on this lab at home (with adult supervision) you may need to modify this materials list, just be sure to stay safe!
  - A glass jar with a lid (mason jar, pasta sauce jar, etc...)
  - Timer
  - Ice cubes
  - Insulating materials of your choice- List here!
  - 
  - 
  - 
  - 
  -
  
4. **Procedure:** These are the steps you will follow to complete this lab. Again, if you need to modify these steps for some reason just use good judgment and stay safe!
  - a. **Use any insulating materials to build an insulator for your glass jar**
    - **Rules:** It must be designed by you (no coolers, hydroflasks, etc..)
    - **You must be able to remove the lid of your jar frequently to check for ice**
    - **Your jar cannot be refrigerated, it should sit on a counter out of the sun**
  - b. **In the morning of the lab, fill your glass jar with ice cubes**
  - c. **Start the timer**
  - d. **Every hour record observations**
  - e. **Record the time when your last piece of ice has melted completely.**

5. **Results:** This is recorded as the lab experiment is happening. Record observations at each hour and stop recording and record the amount of elapsed time when your last ice cube has melted.

Elapsed Time	Observations	Elapsed Time	Observations
0 Start		7 hours	
1 hour		8 hours	
2 hours		9 hours	
3 hours		10 hours	
4 hours		11 hours	
5 hours		12 hours	
6 hours		End:	

#### 6. Conclusion

Using the words: temperature, thermal energy, and insulator tell about what you learned and observed in this lab and about the substances you used.

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

Date: \_\_\_\_\_

Science

Energy Transfer Quiz

Period: \_\_\_\_\_

/20

## Energy Transfer Quiz

(Summative Assessment)

**Match** vocabulary words in the left column with the correct definition in the right column by drawing a line between them. (1 point each)

- |                      |   |  |
|----------------------|---|--|
| 1. Conduction        | • | • The transfer of thermal energy through matter or space as electromagnetic waves.     |
| 2. Convection        | • | • The transfer of thermal energy by the movement of a fluid.                           |
| 3. Radiation         | • | • The transfer of thermal energy from one substance to another through direct contact. |
| 4. Thermal Expansion | • | • The absence of heat.   |
| 5. Absolute Zero     | • | • The increase in volume due to an increase in temperature.                            |

**Multiple Choice** (Choose the most correct answer, 1 point each)

6. Heat is always transferred \_\_\_\_\_.
  - a. from higher temperature objects to lower temperature objects
  - b. from lower temperature objects to higher temperature objects
  - c. between objects randomly
  - d. all of the above
7. An example of radiation is \_\_\_\_\_.
  - a. sunlight heating up the hood of my car on a hot day
  - b. air rising along the equator where it is warmer, causing wind
  - c. touching a hot pot on the stove and burning my finger
  - d. boiling water heating a spoon to the same temperature
8. An example of conduction is \_\_\_\_\_.
  - a. sunlight heating up the hood of my car on a hot day
  - b. cool water sinking to the bottom of the lake
  - c. touching a hot pot on the stove and burning my finger
  - d. a microwave popping my popcorn

9. An example of convection is \_\_\_\_\_.
- sunlight heating up the hood of my car on a hot day
  - air rising along the equator where it is warmer, causing wind
  - roasting a marshmallow on a campfire
  - boiling water heating a spoon to the same temperature
10. Radiation can exist as \_\_\_\_\_.
- visible light
  - ultra violet rays
  - gamma rays
  - all of the above, and more too!
- True or False (1 point each)**
11. Metal is a good insulator because thermal energy flows through it well. \_\_\_\_\_
12. Wood is a good insulator because thermal energy does not flow through it well. \_\_\_\_\_
13. Copper is a good conductor because thermal energy flows through it well. \_\_\_\_\_
14. If a substance is a good insulator, then if it touches something with high temperature the thermal energy will transfer through it well. \_\_\_\_\_
15. Power lines are made of insulators so that energy can flow through it efficiently. \_\_\_\_\_

**Short Answer ( /5)**

Compare and contrast conduction, convection, and radiation. Give specific information on their similarities and differences, and give examples of each.

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[Print](#)

## GLOBAL CONNECTIONS

### Sudan Refugees and Displacement

*Sudan has been involved in civil war for many years. Most people in the northern part of Sudan are Arab Muslim and live in cities. People in the southern part are African, rural farmers, and follow either African traditional religions or Christianity.*

### Geography

Sudan is the sixteenth-largest country in the world in area and the third-largest country in Africa. It was the largest before South Sudan gained independence. Sudan's population is 33.4 million. South Sudan has approximately half that number. In land area, South Sudan ranks forty-fourth in the world.

### Northern Control

As an independent country, northern Sudan and its leaders controlled the government. They wanted to unify Sudan under Arabic and Islamic rule. In opposition were non-Muslims and the people of southern Sudan.

### Violence Continues

When South Sudan became an independent country on July 9, 2011, many people hoped to start a new, peaceful life. However, several violent conflicts broke out, including continued conflict in Darfur.

### Conflict in Darfur

Darfur is a region in western Sudan. In 2003 Darfur rebel groups rose up against the Sudanese government. The rebels demanded that the government stop its unjust social and economic policies. The government reacted by raiding and burning villages. In the long conflict that followed, thousands were killed, and many were forced from their homes.

### Refugees and IDPs

Refugees are people who have left their country because they are in danger or have been victims of persecution. A major problem also exists with internally displaced persons (IDPs). An IDP is someone who is forced to flee his or her home because of danger, but who remains in his or her country.

### World Refugee Day

The United Nations (UN) World Refugee Day is observed every year on June 20. The events call attention to the problems refugees face.

### \$1.25 a Day

Although a peace agreement in 2005 brought some stability to the people of South Sudan, many terrible problems exist. More than 80 percent of the residents live on less than \$1.25 a day. The country has the world's highest maternal mortality rate. About 50 percent of elementary school-age children do not attend school.

### 300,000

In 2003 rebellion broke out in Darfur, a region in western Sudan. Government militia attacked Darfur and the rebels. The United Nations estimates that as many as 300,000 people died in five years of conflict in Darfur. Violence still erupts at times, breaking the fragile peace.

### More than 500,000

Refugees are people who have left their country because they are in danger or have been victims of persecution. In January 2011, 178,000 refugees were in Sudan, and 387,000 Sudanese were living in other countries.

### One Point Six Million

In January 2011, more than 1.6 million Sudanese people were internally displaced.

### Two Million

South Sudan seceded from Sudan in 2011 as a result of a peace treaty that ended decades of war that had killed 2 million people. The two countries have come close to war again. Disputes over control of territory led to armed conflict.

### 75%

Oil is a source of conflict between Sudan and South Sudan. About 75 percent of the oil is in South Sudan, but all the pipelines run north to Sudan. When disputes over oil erupted in 2012, Sudan bombed oil fields in South Sudan.

### 43.7 Million

By the end of 2010, about 43.7 million people of the world did not have a home. The number of refugees is the highest in 15 years.

## GLOBAL IMPACT

## MIGRATION OF REFUGEES

Refugees are people who flee to another country because of wars, political unrest, food shortages, or other problems. The graph on the left lists the 10 major source countries of refugees and the number of refugees who emigrated from those countries in 2011.

The graph on the right lists the 10 major host countries. A host country is the country a refugee moves to. For example, more than 1.7 million refugees immigrated to Pakistan in 2011.

### Thinking Like a Geographer

- 1. *The Geographer's World*** What are the major differences between Sudan and South Sudan?

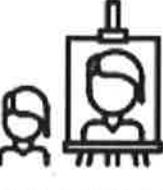
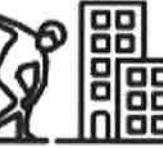
- 2. *Human Geography*** Why is oil a major factor in the conflict between Sudan and South Sudan?

- 3. *Human Geography*** Imagine you are from Sudan and you come to live in the United States. Write a story about how you and your family learn to live in an American community.

# Art 1 and Art 2 Art at a Distance Class

Ms. Suveges - lsuveges@siuslaw.k12.or.us

May 11 - May 22

 <p>Make your own copy of a famous work of art.</p>	 <p>Look out your window. Draw or paint your view.</p>	 <p>Make a collage using magazines, newspapers, or other materials.</p>	 <p>Find a household product or piece of furniture that you think is poorly designed. Design a better one!</p>	 <p>Paint with non-traditional materials like coffee, spices, or ketchup.</p>
<i>Free space</i>	 <p>Create a self-portrait in any medium.</p>	 <p>Create a portrait of another person or animal.</p>	 <p>Use a lamp or flashlight to create a high-contrast scene. Draw, paint, or photograph it.</p>	 <p>Make a stamp out of an apple, potato, old shoe, etc. Create art with it.</p>
 <p>Choose a room in your house to make over. Choose a new paint color, furniture, and decor.</p>	<i>Free space</i>	 <p>Try your hand at hand lettering. <small>By <a href="#">marketyhandlettering</a> on Instagram</small></p>	 <p>Make a piece of home decor, such as a wreath or decorative vase, from found materials.</p>	<i>Free space</i>
<i>Free space</i>	 <p>Find a logo or ad that you think could be better. Design a new one!</p>	 <p>Sketch something boring or mundane. Make it interesting.</p>	 <p>Give an inanimate object a personality! Draw, photograph, or write about it.</p>	 <p>Make scratch art! <small>Color a piece of paper with marker or paint. Then cover the whole page with a dark layer. Use a nailfile or USA to scratch off a design!</small></p>
 <p>Make a piece of clothing or an accessory out of household items.</p>	 <p>Make a sculpture or "building" out of household items.</p>	 <p>Style your food and photograph it.</p>	<i>Free space</i>	 <p>Choose a shape. Draw a scene using <u>only</u> that shape!</p>

# Art 1 and Art 2 *Art at a Distance* Class

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Keywords -> LINE - SHAPE - FORM - SPACE - COLOR - TEXTURE - PATTERN - VALUE