

WRMS



7th Grade

AMI Packet

DAY TEN

Name _____

Day 10

Name _____

Period _____

1. The table shows how the number of people who can ride a rollercoaster depends on the number of cars on the rollercoaster.

Number of Cars	Number of People
2	14
4	28
5	35
6	42

- a. Is the data in the table in a proportional relationship? EXPLAIN YOUR REASONING.
- b. What is the constant of proportionality for the data in the table? _____
- c. Write an equation to represent the number of people, y , that can ride the rollercoaster with x cars.
- d. How many people can ride in a rollercoaster with 10 cars? _____
2. Katie can buy 3 pounds of apples for \$3.75. Write an equation to represent the cost, c , for a pounds of apples.
3. The equation $m = 20g$ represents the average number of miles, m , that a car can go on g gallons of gas. What is the constant of proportionality and what does it represent in this situation?
4. Marty reads 12 pages of a book in 30 minutes, 8 pages in 20 minutes, and 20 pages in 50 minutes. Is this a proportional relationship? If so, what is the constant of proportionality? What does it represent?
- 4b. Write an equation to represent the situation in #4.

Day 10

5. The table shows the relationship between the money that Lee earns and the number of lawns that he mows.

Number of Lawns	2	4	5	7
Money Earned (\$)	12	24	30	42

- Is the data in the table in a proportional relationship? EXPLAIN YOUR ANSWER.
- What is the constant of proportionality? _____
- What does the constant of proportionality mean in the context of this problem?
- Write an equation that represents the amount of money earned, y , for mowing x lawns.

6. The table shows the cost of several bunches of bananas.

Number of Pounds	2	4	5	7
Cost (\$)	1.24	2.48	3.10	4.34

What equation can be used to represent the cost c of a bunch that weighs p pounds?

7. Nikki uses the equation $c = 9h$ to figure out the total amount c she should charge a customer if she babysits for h hours. Find the constant of proportionality and explain what it means in this problem.

7a. For #7, find the amount Nikki would charge if she babysat for 3.5 hours. _____

Day 10

Name: _____

Context Clues 1.5

Directions: read each sentence and determine the meaning of the word using cross sentence clues or your prior knowledge. Then, explain what clues in the sentence helped you determine the word meaning.

1. **unresponsive:** After dropping his phone in the toilet, Robert repeatedly pressed and held the power button, but the device was **unresponsive**.

Definition: _____

What clues in the sentence lead you to your definition?

2. **neglect:** Dad spent countless hours caring for and manicuring his grass, so he hated when his neighbors **neglected** their lawns.

Definition: _____

What clues in the sentence lead you to your definition?

3. **weary:** After studying for twelve hours straight, Rob was growing **weary**.

Definition: _____

What clues in the sentence lead you to your definition?

4. **contrary:** **Contrary** to my mother's opinion that I should stay home on graduation night, I would like to go to a large party.

Definition: _____

What clues in the sentence lead you to your definition?

5. **anxious:** Whenever Bob was more than an hour late, Janice became very **anxious**.

Definition: _____

What clues in the sentence lead you to your definition?

6. **desolate:** Chris could see nothing but the sky over the fields as he wandered through the **desolate** plains.

Definition: _____

What clues in the sentence lead you to your definition?

7. **extraordinary**: Al had hoped that with his **extraordinary** athletic abilities he would get a college scholarship, but he injured his knee junior year.

Definition: _____

What clues in the sentence lead you to your definition?

8. **thorough**: Jackie plans every party as **thoroughly** as if the President were coming, so she will make sure that everything has been considered on your big day.

Definition: _____

What clues in the sentence lead you to your definition?

9. **affectionate**: I wish that Clyde were more affectionate with me but he won't even give me a fist bump.

Definition: _____

What clues in the sentence lead you to your definition?

10. **tranquil**: Jack likes to sit on the edge of the pier when the wind is calm and the water is **tranquil**.

Definition: _____

What clues in the sentence lead you to your definition?

11. **glimpse**: When the teacher dropped her grade book, Alex got a **glimpse** of the grade sheet. Now he is sad because he thinks that he saw an F next to his name.

Definition: _____

What clues in the sentence lead you to your definition?

12. **reluctant**: Paul was **reluctant** to take the car to the mechanics, since last time it cost him seven hundred dollars, but the engine was making such a squeal that he scheduled an appointment.

Definition: _____

What clues in the sentence lead you to your definition?

Bonus: Define each of the words on a separate sheet of paper to check your answers. Attach your sheet.

Name: _____ Class: _____

How I Found True Love in an Arranged Marriage

By Surabhi Surendra
2015

Arranged marriages have been traditional in many cultures, including South Asian societies, for centuries. While "love marriages" are becoming more popular in India, arranged marriages continue to thrive there as well. The tradition of arranged marriages has evolved over time, and today many potential spouses can spend more time getting to know each other before agreeing to marriage. In Surabhi Surendra's story of her own arranged marriage, she finds love in a match set up by her father. As you read this essay, take notes on how the author's feelings toward her husband change over time.

- [1] Last week we celebrated our sixth wedding anniversary. Ours was an arranged marriage, and I had not even seen his picture before saying yes to him. Sounds so backwards, eh?!

I didn't see his picture because I didn't care to see, as I was already besotted¹ by him when I began to talk to him on the phone and chat with him over email.

It was the beginning of 2009. I was on holiday with my friend in Manipur without informing my parents.



"Durban 037" by John Karwoski is licensed under CC BY-NC-ND 2.0.

I called my sister at the hour of departure and told her I was leaving for a four-day holiday in Manipur with my friend.

- [5] Before she could say anything, I switched off my phone and sat on the ATR² that took off from Kolkata.³

Within this short trip, I intended to leave behind the emotional bruises of a failed relationship and also to get some relief from the mounting pressure of arranged marriage that had been dangling over my head.

For the past five years, my papa brought proposals to me for marriage, and I somehow couldn't seem to settle down with any of them.

I would talk to them, once or multiple times, depending on my interest, but none of them fit well in my vision of a "life partner."

It was difficult to explain this concept of "my kind of life partner" to my increasingly restless parents, but I was determined to not give in to their irrational demands.

1. foolishly in love or infatuated with
2. a French-Italian airplane company
3. Formerly known as Calcutta, Kolkata is the capital of West Bengal in India.

[10] I knew I would rather stay single and stay abroad than marry someone against my wishes. Coming to Manipur was an impulsive decision to gain some sanity.

I didn't know the devil of arranged marriage would follow me up there, where the phone caught signal once every 10 minutes. But you see, parents find a way to get to you.

I was trying to call my bestie from Manipur, and was haggling⁴ with the intermittent network, when I saw my phone beeping: "Papa calling."

It sent chills down my spine, but as a matter of family rules, I answered the call. What I heard from the other end was more than enough to spoil my vacation.

Papa had given my number to a prospective match who might call me anytime. I was now on an alert, and since I couldn't hate Papa, I hated this prospect who could call me. Couldn't he give a set date and time?

[15] Thankfully the phone call never came, but a month later an email arrived on Valentine's Day.

The sender had politely asked me to be his friend, and while he told me about himself in a flat 10 sentences, he asked me if I wanted to change him.

As a thoughtful reply, I wrote to him in detail that I was a spontaneous⁵ and happy-go-lucky girl who was seeking love, chemistry, mutual understanding and a spark. This probably didn't answer his questions, so he called me the next day.

"I sent you an email but you didn't reply," he questioned.

"I did. I sent a long reply," I retorted.

[20] "You sent an email but it was not the reply to my questions. They remained unanswered," he argued.

I didn't know what to say, except that I thought he was an extremely arrogant⁶ man full of attitude with a superiority complex⁷ of his job.

I didn't want to carry on with the conversation, but I did because I knew I would have to answer Papa after the call.

We talked, and he spoke about his life, his personality and he confessed this was the first call he ever made to a girl. At the end of that hour-long conversation, he admitted that he had never spoken to any woman for that long.

"What? Not even to your mum?" I asked.

[25] "Sadly, no. I lost her when I was 14, which was five years after my father's death."

4. to bargain or argue with someone over the cost of something

5. **Spontaneous (adjective):** sudden or done without much thought or planning ahead of time

6. **Arrogant (adjective):** believing or acting overly proud of oneself or one's opinions

7. the belief or attitude that a person is better than others, which may be used to cover up actual feelings of inferiority and failure

I was quiet, speechless and spellbound. This explains his maturity. He didn't carry a phone, which is why he couldn't give a set date and time to call.

This explained why he asked me if I wanted to bring about any change in him. He wanted to be accepted the way he is, and he brutally⁸ presents himself in his purest form to people.

"I do not have any bank balance or property but I have immense love to give. I have always held onto this love and I now want to love someone to the best of my capacity," he said in one of the following conversations.

Is he a part of me? How else could he know that I was seeking somebody who could love me to the best of his abilities? How could he learn that I didn't need money or wealth or property, but a sound character and true, pure love?

- [30] One phone call led to another and one email gave way to a chain of emails. We shared views, opinions and feelings.

He talked about his struggling childhood, while I talked about my insecurities and inferiorities.

We discussed the hypocrisies⁹ of society and we planned for a happier future.

But I had not seen his picture while he had seen plenty of mine. My social networks were rife with images of my vacations, friends and family, and he was completely absent from Google.

One day Papa asked me, "How is it going with him? Did he say he is ready to marry you?"

- [35] "No. He hinted at it but he hasn't said it explicitly," I replied.

That night he specifically mentioned marrying me, and I asked him to talk to Papa. He called Papa and only said, "Thank you, uncle."¹⁰

Papa was a little confused and asked, "Thank you for what?"

"Thank you for sending Surabhi in my life. I want to marry her."

Next day we were off to his training center in Mussoorie to carry out a small, formal family tradition of "roka."¹¹

- [40] My heart thumped heavily on those curvy, snaky uphill roads. What if I don't like him physically? What if he had chubby cheeks? What if he was too fair?¹² My mind was bombarding¹³ my heart with questions, and my heart replied to each question with a quick heartbeat.

8. with blunt honesty and straightforwardness

9. **Hypocrisy** (*noun*): the practice or behavior of acting against claimed beliefs or feelings

10. a term of respect for an older male, not necessarily an actual relative

11. an engagement-announcement celebration before traditional Hindu weddings

12. pale or lighter in skin tone

13. **Bombard** (*verb*): to attack continuously

I knew he had worked in Indian Air Force for 10 years, so I was assured he possessed a well rugged body, but body wasn't enough.

I had to like his face. I wanted to see kindness in his eyes and an innocent, compassionate face.

Finally the moment arrived. He was waiting outside his training center to receive us. From the rear window of the car, I glanced at him. Standing around 5'8" tall, he looked decent and handsome.

A sharp nose, petite¹⁴ eyes and a broad jaw primarily defined his facial features. Behind those glasses, I could see purity in his eyes.

- [45] His well combed, oily hair was a bit of a turn off, and so was his old patterned shirt, but I chose to dive deeper into his disposition¹⁵ that was charming on the phone and now charismatic¹⁶ in person.

We met, shook hands and he gifted me a rose bud. "My eternal love is yours now," he said.

Now that we are happily and crazily married (we fight 10 times in a week), I can see how an arranged marriage system came to my rescue when I was failing at taking charge of my life.

After brief stints¹⁷ of attempting to find love, I gave up. I realized that maybe I was not destined to get married and that my kind of love does not exist in the world.

My kind of love is slightly possessive, but overtly¹⁸ giving. It comprises more of shared laughs and dreams and less of gifts and services.

- [50] My love is about me and my happiness, and my lover should be okay with it. But this is where I faltered.¹⁹ How can a person love you without demanding a bit of happiness for himself?

In my kind of love, I don't give happiness to him. He must derive²⁰ it from mine, and how and where would I find such a person?

Who would love me the way I want to be loved? Who would take the risk and eventually have a core belief that once he loves me, I will ultimately give all of myself to him?

Had I met him on any random occasion, I am sure I wouldn't have continued talking to him after five minutes.

It was the pressure (and the liberty) of an arranged marriage system that helped me in knowing him further beyond those superficial,²¹ materialistic aspects.

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14. small in figure or stature
15. **Disposition (noun):** a prevailing tendency, mood, or inclination
16. **Charismatic (adjective):** likeable, attractive, and influential
17. limited or brief amounts of time doing something
18. outwardly
19. **Falter (verb):** to hesitate or doubt
20. **Derive (verb):** to draw from an origin or source
21. **Superficial (adjective):** not deeply important or serious

[55] I am thankful for the fact that Papa insisted I talk to him. It is an added advantage that Papa had done all the background checks by himself, and that there were no chances of being cheated.

The best part is that Papa admired him instantly when he met him for the first time. Papa was so sure of his choice that he knew this guy would sweep me off my feet; he was so right.

He courted me for three months before we got married, in a dowry-free²² marriage.

I did not think twice about not utilizing my Bradford MBA,²³ and I quit my business analyst job with a MNC to settle down with him in the pristine²⁴ and remote islands of Andaman and Nicobar Islands.

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22. without a dowry, a traditional payment or gift brought by a bride to her husband on their marriage
 23. An MBA is a Masters degree in Business Administration.
 24. **Pristine** (*adjective*): in perfect condition or in an unaltered, natural state

ACT Aspire Practice: Science

Some say that Hot Springs have healing qualities; particularly due to the element Sulfur. Scientists believe that the high sulfur contents are able to treat skin irritations and infections due to the presence of collagen.

Four visitors are deciding which springs to visit. Their preferences for what they would like to see in a spring are detailed in the chart below.

Table 1

Visitor	Temperature	Sulfur Content
Visitor 1	High	High
Visitor 2	Low	High
Visitor 3	High	Low
Visitor 4	Low	Low

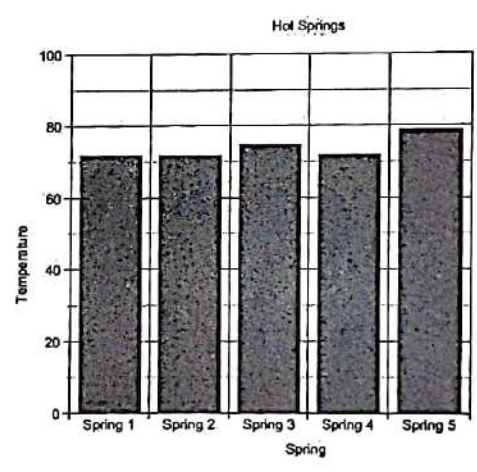
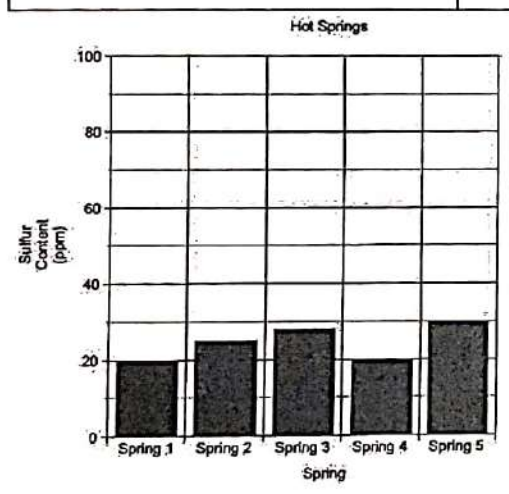


Figure 1

Figure 2

- Which Spring would Visitor 1 be most likely to visit? Give evidence and reasoning to support your answer.

- What is the Sulfur Content (ppm) of Spring 4? _____
- Which Spring would Visitor 4 be most likely to visit? _____
- Based on Figure 2, what is the Temperature of Spring 5? _____
- Which Springs have the same Sulfur Content? _____
- Which Visitor prefers a low temperature but a high sulfur content? _____
- Based on the passage, why might Visitors 1 and 2 be interested in visiting a spring with a high sulfur content?