## Junior/Intermediate - Class \#1 - Outdoor Equipment

Evelyn is going on a 4-H camping trip next weekend and needs a new sleeping bag. The weather is predicted to be warm during the day, but temperatures may drop down to 30 degrees that evening, so she will need one that can help keep her warm. There is a chance of rain one of the nights, so she will need something water-resistant. Evelyn does not camp very often, so she would like to only spend no more than $\$ 75$. The sleeping bag also needs to be light enough to fit in her backpack she will be carrying; she would prefer it to be under 3 lbs . Which sleeping bag is the best purchase for her?

| \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: |
| REI Co-OP Helio Sack 55 | Kelty Tuck 20 | Slumberjack Boundary 20 | Slumberjack Go-N-Grow 30 |
| \$48 | \$75 | \$75 | \$60 |
| - Weight: 3.5 lbs <br> - Temperature Rating: 55F <br> - Fill: Down <br> - Easy to care for and comes in multiple colors | - Weight: 3 lbs. <br> - Temperature Rating: 20F <br> - Fill: Synthetic (waterresistant) <br> - Regulates Temperature Well | - Weight: 2 lbs. 5 oz. <br> - Temperature Rating: 20F <br> - Fill: Down <br> - Durable <br> - Wearable | - Weight: 2 lbs 13 oz. <br> - Temperature Rating: 30F <br> - Fill: Synthetic (waterresistant) <br> - Adjustable length and easy to fold. |

A 4-H family is traveling to a 4-H District contest. After the contest, they decided to eat lunch at a fast food restaurant. Since they have chosen to live a healthy lifestyle, they need to choose a meal that is high in nutrients, low in fat and sugar. Which would be the best meal at a fast food restaurant?

| \#1 |  |  |
| :---: | :---: | :---: |
| Mushroom Chicken \& Chow |  |  |
| Mein Noodles |  |  |$\quad$| Black Bean Burrito |
| :---: |

## Junior/Intermediate/Senior - Class \#3 - Sunglasses

Tom needs a pair of sunglasses that works for a variety of sports, especially motorcycling. He would like to have a choice of colors and a Lifetime warranty since he is very active in many sports. He would like them to be versatile, lightweight and stylish. He has $\$ 25$ to spend on the sunglasses.

| \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: |
| JiMa | Eye Love | Torege | Rivbos |
| \$24.99 | \$24.99 | \$21.99 | \$17.98 |
| - Shatterproof Flexible TR90 frame <br> - Shatterproof Polycarbonate lens <br> - UV 400/mirror flash coating <br> - Lens width: 2.5 <br> - Lens height: 1.62 <br> - Bridge: Soft 1.0 <br> - Arm: 6 <br> - Clean with Soft Moist Cloth <br> - 30 Day Money Back Guarantee <br> - Active fit for active people. Soft Rubber Nose \& ear Pieces for all day comfort <br> - Lifetime Breakage Warranty on Frame \& Lens <br> - Polycarbonate Shatterproof Reflector Flash lens <br> - Unbreakable, Bendable, Super light weight TR90 memory Frame | - 100\% UV protection, polarized, glare free lenses, and are made with TR-90 material. This means BETTER EYE PROTECTION, LESS UNWANTED GLARE <br> - GLARE ELIMINATING, POLARIZED LENSES THAT BLOCK 100\% UVA AND UVB RAYS FOR SUPERIOR EYE PROTECTION <br> - LIGHTWEIGHT FOR MAXIMUM COMFORT Lightweight plastic frame front with unique stainlesssteel, double-spring hinges that are sturdy and designed for maximum comfort. <br> - SOFT MICROFIBER CASE, AND SCREWDRIVER <br> - ICONIC, RECOGNIZABLE STYLE | - CLEAR, SUPERLIGHT, STYLISH AND DURABLE- Cool Rimless jacket frame design enables clear lower vision field. Lightweight design is ideal for motorcycle and cycling bicycle, driving, running, fishing, racing, skiing, climbing, trekking or other outdoor activities. Fashion and stylish design, with rich color combinations of frames and lens. Polycarbonate lens and frames are impact, scratch resistant, durable and unbreakable. <br> - LIFETIME BREAKAGE WARRANTY ON FRAME-. <br> - 30 DAY MONEY BACK GUARANTEE- All Torege customers enjoy 30 Day Money Back Guarantee. | - FIVE INTERCHANGEABLE LENSRestore true color, eliminate reflected light and scattered light, make the scenery more clear and soft and protect eyes perfectly. One is the multi-color lens, the yellow one is for night activities, the blue one is for beach, the clear one is for windy weather, the black one is polarized for driving and other outdoor activities. <br> - HIGH-QUALITY PC LENS high quality shatterproof PC. Lightweight design is ideal for usage by motorcycle and cycling bicycle, driving, running, fishing, racing, skiing, climbing, trekking or outdoor. <br> - Polycarbonate lens and frames are impact, scratch resistant, durable and unbreakable. LIFETIME BREAKAGE WARRANTY ON FRAME- We provide lifetime breakage and warranty on Frame and Lens30 DAY MONEY BACK |

## Junior/Intermediate - Class \#4 - Cookware

Brittney is an avid cook and she is looking to replace her skillet. She needs a skillet that is at least 10 inches, easy to maintain, and oven safe. She would prefer that the skillet include a lid. Brittney has a strict budget and cannot spend over $\$ 35$. Which skillet is the best choice?

| \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Lodge Cast Iron Skillet | T-Fal Simply Cook Fry Pan with Lid | Almond Copper Frying Pan with Glass Lid | Utopia Kitchen Stainless Steel Skillet with Glass Cover |
| \$18.79 | \$19.99 | \$32.83 | \$34.99 |
| - 12" Diameter <br> - Constructed From Cast Iron <br> - Distributes Heat Uniformly <br> - Transitions From Stovetop To Oven <br> - Hand Wash Only (clean with hot water and stiff brush, dry thoroughly with towel) <br> - Requires Regular Seasoning | - 10" Diameter <br> - Constructed From Aluminum <br> - Even Heat Base For Reliable Cooking Results, Thermo-Spot Heat Indicator Shows When Pan Is Heated <br> - Oven Safe Up To 350 Degrees Fahrenheit <br> - Dishwasher Safe And Nonstick For Long Lasting Performance And Easy Maintenance | - 10" Diameter <br> - Constructed From Copper With Stainless Steel Handle <br> - Even Heat Distribution, Better Heat Control <br> - Entire Pan Is Oven Safe to 420 Degrees Fahrenheit, Lid is Oven Safe to 500 Degrees Fahrenheit <br> - Dishwasher Safe And Nonstick For Easy Cleaning and Maintenance | - 12" Diameter <br> - Constructed From Stainless Steel <br> - Oven Safe Up To 500 Degrees Fahrenheit <br> - Dishwasher Safe For Easy Cleaning <br> - Season Skillet With Any Oil To Make It Nonstick |

## Junior/Intermediate - Class \#5 - Active Wear

Sarah visited a Yoga class at her local health center, and is now planning to join a weekly Yoga class. She needs to purchase some active wear for the class. She needs clothing that will keep her cool and comfortable, but also allow her to stretch and move freely. Sarah just graduated from college, so she is on a limited budget, and needs to keep her purchase under $\$ 35$ or under. Of the options Sarah is considering, which one will work best for her?

|  |  | \#3 |  |
| :---: | :---: | :---: | :---: |
| Under Armour Pant | Baleaf Capri Pant | Anivivo Shorts | New Balance Capri Pants |
| \$30.50 | \$19.99 | \$16.95 | \$34.99 |
| - 100\% Polyester <br> - UA Storm 1 Water-resistant <br> - Light but surprisingly warm \& stretches for superior mobility <br> - Material wicks sweat \& dries really fast <br> - Flat ribbed waistband with drawcord | - 87\% Nylon, 13\% Spandex <br> - Non see-through, moisture-wicking, breathable and stretchy fabric provides complete coverage <br> - Elastic waistband for a snug, comfortable fit <br> - Flat seams help reduce irritation caused by chafing <br> - Ergonomic seams for natural range of motion | - 95\% Polyester and 5\% Spandex <br> - Elastic Waistband <br> - Machine Wash and Quick Drying <br> - Protects your skin during outdoor activity by blocking harmful Ultraviolet | - 88\% Polyester, 12\% Spandex <br> - Premium wicking fabric has smart technology that provides proactive thermo-regulation and superior moisture management <br> - Reflective logo and at knee <br> - NB DRY is a moisture wicking fabric that helps release moisture away from the body <br> - Fabric is also fast drying |

## Junior/Intermediate - Class \#6 - Mystery Cell Phones

Julie is moving away for college and needs a cell phone. She will be leaving her parents' family plan and needs a plan no more than $\$ 25 /$ month. Julie needs a phone with a good size screen to look things up and read documents. Large storage is also a plus for digital books, pictures, videos, and social media. She would like it to be light weight. Help Julie choose her cell phone.


## Senior - Class \#1 - Outdoor Equipment

Evan and his friend Isaac are avid back-packers. They want to go on a trip with two other friends that will involve a weekend camping trip, so they need a larger tent than they usually use to accommodate all four of them comfortably. The four of them plan to take turns carrying the tent in their packs, so would prefer it to be as lightweight as possible without sacrificing quality. There is a chance of rain in the forecast, so they want to be sure they will be protected if this happens. They would also like to stay under $\$ 250$. Which tent would be the best purchase for their needs?


## Senior - Class \#2 - Fast Food Meals

A 4-H family of four is traveling to a 4-H District contest. After the contest, they decided to eat lunch at a fast food restaurant. Since they have chosen to live a healthy lifestyle, they need to choose a meal that is high in nutrients, low in fat and sugar. They would like to spend no more than $\$ 30$. Which would be the best meal at a fast food restaurant?

| \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: |
| Mushroom Chicken \& Chow Mein Noodles | Black Bean Burrito | Grilled Chicken Wrap | Turkey BLT Sandwich |
| \$5.75 | \$2.20 | \$2.50 | \$5.50 |
| Mushroom Chicken Chow Mein Noodles <br> Calories: 410 <br> Fat: 19 g <br> Protein: 16 g <br> Carbs: 44 g <br> Fiber: 3 g <br> Sugar: 8 g | Flour Tortilla <br> Black Beans <br> Seasoned Rice Three Cheese Blend Red Sauce <br> Calories: 390 <br> Fat: 11 g <br> Protein: 14 g <br> Carbs: 60 g <br> Fiber: 8 g <br> Sugars: 3 g | Flour Tortilla Grilled Chicken Lettuce Cheddar Cheese <br> Calories: 270 <br> Fat: 10 g <br> Protein: 20 g <br> Carbs: 24 g <br> Fiber: 2 g <br> Sugars: 3 g | Deli-style Turkey Swiss Cheese Hickory Smoked Bacon Mayo, Tomato, Lettuce Sourdough bun <br> Calories: 510 <br> Fat: 20 g <br> Protein: 29 g <br> Carbs: 54 <br> Fiber: 4 g <br> Sugars: 4 g |

## Junior/Intermediate/Senior - Class \#3 - Sunglasses

Tom needs a pair of sunglasses that works for a variety of sports, especially motorcycling. He would like to have a choice of colors and a Lifetime warranty since he is very active in many sports. He would like them to be versatile, lightweight and stylish. He has $\$ 25$ to spend on the sunglasses.

| \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: |
| JiMa | Eye Love | Torege | Rivbos |
| \$24.99 | \$24.99 | \$21.99 | \$17.98 |
| - Shatterproof Flexible TR90 frame <br> - Shatterproof Polycarbonate lens <br> - UV 400/mirror flash coating <br> - Lens width: 2.5 <br> - Lens height: 1.62 <br> - Bridge: Soft 1.0 <br> - Arm: 6 <br> - Clean with Soft Moist Cloth <br> - 30 Day Money Back Guarantee <br> - Active fit for active people. Soft Rubber Nose \& ear Pieces for all day comfort <br> - Lifetime Breakage Warranty on Frame \& Lens <br> - Polycarbonate Shatterproof Reflector Flash lens <br> - Unbreakable, Bendable, Super light weight TR90 memory Frame | - 100\% UV protection, polarized, glare free lenses, and are made with TR-90 material. This means BETTER EYE PROTECTION, LESS UNWANTED GLARE <br> - GLARE ELIMINATING, POLARIZED LENSES THAT BLOCK 100\% UVA AND UVB RAYS FOR SUPERIOR EYE PROTECTION <br> - LIGHTWEIGHT FOR MAXIMUM COMFORT Lightweight plastic frame front with unique stainlesssteel, double-spring hinges that are sturdy and designed for maximum comfort. <br> - SOFT MICROFIBER CASE, AND SCREWDRIVER <br> - ICONIC, RECOGNIZABLE STYLE | - CLEAR, SUPERLIGHT, STYLISH AND DURABLE- Cool Rimless jacket frame design enables clear lower vision field. Lightweight design is ideal for motorcycle and cycling bicycle, driving, running, fishing, racing, skiing, climbing, trekking or other outdoor activities. Fashion and stylish design, with rich color combinations of frames and lens. Polycarbonate lens and frames are impact, scratch resistant, durable and unbreakable. <br> - LIFETIME BREAKAGE WARRANTY ON FRAME-. <br> - 30 DAY MONEY BACK GUARANTEE- All Torege customers enjoy 30 Day Money Back Guarantee. | - FIVE INTERCHANGEABLE LENSRestore true color, eliminate reflected light and scattered light, make the scenery more clear and soft and protect eyes perfectly. One is the multi-color lens, the yellow one is for night activities, the blue one is for beach, the clear one is for windy weather, the black one is polarized for driving and other outdoor activities. <br> - HIGH-QUALITY PC LENS high quality shatterproof PC. Lightweight design is ideal for usage by motorcycle and cycling bicycle, driving, running, fishing, racing, skiing, climbing, trekking or outdoor. <br> - Polycarbonate lens and frames are impact, scratch resistant, durable and unbreakable. LIFETIME BREAKAGE WARRANTY ON FRAME- We provide lifetime breakage and warranty on Frame and Lens30 DAY MONEY BACK |

## Senior - Class \#4 - Cookware

Daniel is renting his first apartment and needs to purchase kitchen supplies. He is looking for a budget cookware set with at least 10 pieces. Daniel has a $\$ 85.00$ budget, but would like to save as much money as possible. He does not want nonstick cookware and he would like for it to be durable and heat evenly. The set must be completely dishwasher safe. What set is the best choice for Daniel?

| \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: |
| Cook N Home 12 piece Stainless Steel Cookware Set | Farberware Millennium Stainless Steel 10 Piece Cookware Set | Farberware Classic 10-Piece Review | T-Fal Signature Nonstick 12 Piece Cookware Set |
| \$55.99 | \$82.62 | \$70.00 | \$58.99 |
| - Set includes 1 sauce pan, 3 casserole dishes, 1 stockpot, and 1 frypan (all pieces include lids) <br> - Made of mirror polished stainless steel with capsuled aluminum core in the bottom <br> - Set is oven safe to 500F (lids are safe to 350F) and dishwasher safe | - Set includes 2 covered sauce pans, 1 covered sauté pan, 2 skillets, and 1 covered stockpot <br> - Made of polished stainless steel that fully encapsulates a thick aluminum core to provide exceptional heat distribution <br> - Set and durable glass lids are oven safe to 500F <br> - Dishwasher, broiler and oven safe | - Set includes 2 nonstick frying pans, 3 stainless steel saucepans with lids, and 1 stainless steel stockpot with lid <br> - Stainless steel pots and pans have an aluminum core base to heat contents evenly <br> - Most of the set is dishwasher safe; manufacturer recommends washing nonstick skillets by hand | - Set includes 2 fry pans, 2 sauce pans with lids, 1 dutch oven, 1 griddle, spoon, ladle, and slotted spatula <br> - Heavy gauge aluminum construction, with nonstick interior and exterior for easy cleanup <br> - Oven safe up to 350F <br> - Dishwasher safe |

Sarah visited a Pilates class at her local Y , and is now planning to join a weekly Pilates class. She needs to purchase some active wear for the class. She needs clothing that will keep her cool and comfortable, but also allow her to stretch and move freely. Sarah just graduated from college, so she is on a limited budget, and needs to keep her purchase $\$ 60$ or under. Of the options Sarah is considering, which one will work best for her?

| \#1 |  |  |  | \#3 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Under A Slee | Under Armour Pant |  |  |  |  | Reebok Tank Top | New Balance Capri Pants |
| \$24.50 | \$30.50 | \$15.99 | \$19.99 | \$14.95 | \$16.95 | \$12.99 | \$34.99 |
| - 100\% Polyester <br> - Loose, fuller cut for complete comfort <br> - Super-soft UA Tech fabric delivers incredible all-day comfort <br> - Signature Moisture Transport System wicks sweat to keep you dry \& light <br> - Lightweight stretch construction improves mobility for full range of motion <br> - Anti-odor technology keeps your gear fresher, longer | - 100\% <br> Polyester <br> - UA Storm 1 Waterresistant <br> - Light but surprisingly warm \& stretches for superior mobility <br> - Material wicks sweat \& dries really fast <br> - Flat ribbed waistband with drawcord | - 95\% Cotton, 5\% Spandex <br> - Crossover solid back split active wear, loose stretchy t-shirt slouchy blouse <br> - Fabric is super soft and stretchy, tie back or natural fall | - 87\% Nylon, 13\% Spandex <br> - Non see-through, moisture-wicking, breathable and stretchy fabric provides complete coverage <br> - Mini hidden waistband pocket for convenience <br> - Elastic waistband for a snug, comfortable fit <br> - Flat seams help reduce irritation caused by chafing <br> - Ergonomic seams for natural range of motion | - 55\% Cotton, 38\% Polyester, 5\% Elastane. <br> - Charged Cotton® has the comfort of cotton, but dries much faster <br> - 4-way stretch fabrication allows greater mobility in any direction <br> - Signature Moisture Transport System wicks sweat to keep you dry \& light | - 95\% Polyester and 5\% Spandex <br> - Elastic Waistband <br> - Machine Wash and Quick Drying <br> - Protects your skin during outdoor activity by blocking harmful Ultraviolet | - 100\% <br> Polyester <br> - Racerback cut <br> - Scoopneck opening and smooth flatlock seams <br> - Quick dry fabric, that is specifically designed to wick moisture from your skin, stay dry and comfortable | - 88\% Polyester, 12\% Spandex <br> - Premium wicking fabric has smart technology that provides proactive thermo-regulation and superior moisture management <br> - Mesh panels at back knee <br> - Perforated stretch back <br> - Reflective logo and at knee <br> - NB DRY is a moisture wicking fabric that helps release moisture away from the body <br> - Fabric is also fast drying |

## Senior - Class \#6 - Mystery Cell Phones

Tabitha wants to upgrade her cell phone. She needs a phone that has a great camera to help her with her cooking videos on YouTube and pictures of food she uploads to Instagram. It would need at least 64GB of storage and need to hold a charge for her videos. Tabitha does not want a cell phone camera with less than 8 mega pixels. She would prefer a waterproof phone.

|  | \#1 | \#2 | \#3 | \#4 |
| :---: | :---: | :---: | :---: | :---: |
| Name | Apple iPhone 7 Plus | Samsung Galaxy S8 Plus | Google Pixel XL | LG V20 |
| Price | \$669.99 | \$850.75 | \$549.00 | \$830.00 |
| Storage | Max 128GB | Max 64GB | Max 128GB | Max 64GB |
| Front Camera | (7 megapixel) | (8 megapixel) | (8 megapixel) | (8 megapixel) |
| Rear Camera | (12 megapixel) | (12 megapixel) | (12 megapixel) | (16 megapixel) |
| Battery Life | 21 hours | 24 hours | 32 hours | 28 hours |
| Display Size | 5.5 inch | 6.2 inch | 5.5 inch | 5.7 inch |
| Camera Resolution | 1080x1920 pixels | $2960 \times 1440$ pixels | 2560x1440 pixels | 2560x1440 pixels |
| Video recording | 1080p HD video recording | 1080p HD video recording | 1080p HD video recording | 1080p HD video recording |
| Water resistance | Yes | Yes | No | No |
| Micro storage Device | No | Yes | Yes | No |

## 2018 District 8 4-H

Consumer Decision Making Judging Contest Official Placings \& Cuts

| Junior/Intermediate |  |  |  |  |  |
| :--- | :--- | :---: | :---: | :---: | :---: |
| $\boldsymbol{\#}$ | Name | Official |  | Cuts |  |
| $\mathbf{1}$ | Outdoor Equipment - Sleeping Bags | $4-2-3-1$ |  | $1-4-3$ | Reasons |
| $\mathbf{2}$ | Fast Food Meals | $3-2-4-1$ |  | $2-4-2$ |  |
| $\mathbf{3}$ | Sunglasses | $4-3-1-2$ |  | $2-3-4$ |  |
| $\mathbf{4}$ | Cookware | $2-3-4-1$ |  | $2-4-3$ |  |
| $\mathbf{5}$ | Active Wear | $4-2-1-3$ |  | $1-5-2$ |  |
| $\mathbf{6}$ | Mystery - Cell Phones | $1-2-3-4$ |  | $3-2-5$ |  |


| Senior |  |  |  |  |  |  |
| :---: | :--- | :---: | :---: | :---: | :---: | :---: |
| $\#$ | Name | Official |  | Cuts |  |  |
| $\mathbf{1}$ | Outdoor Equipment - Tents | $3-4-1-2$ |  | $2-3-4$ | Reasons |  |
| $\mathbf{2}$ | Fast Food Meals | $3-2-4-1$ |  | $2-4-2$ |  |  |
| $\mathbf{3}$ | Sunglasses | $4-3-1-2$ |  | $2-3-4$ |  |  |
| $\mathbf{4}$ | Cookware | $1-2-3-4$ |  | $2-3-5$ |  |  |
| $\mathbf{5}$ | Active Wear | $4-2-1-3$ |  | $3-5-2$ | Reasons |  |
| $\mathbf{6}$ | Mystery - Cell Phones | $2-3-4-1$ |  | $2-3-2$ |  |  |


| Tie Breakers |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :---: |
| Junior |  |  | Intermediate |  | Senior |  |
| 1 | Class 2 - Fast Food Meals | 1 | Reasons | 1 | Reasons |  |
| 2 | Class 5 - Active Wear | 2 | Class 2 - Fast Food Meals | 2 | Class 6 - Mystery Cell Phones |  |
| 3 | Class 6 - Mystery Cell Phones | 3 | Class 5 - Active Wear | 3 | Class 4 - Cookware |  |

## Junior/Intermediate

## Class 1 - Outdoor Equipment - REASONS

Placing: 4-2-3-1
Cuts: 1-4-3

## Reasoning:

## In the top pair, I placed 4 over 2 because:

- 4 is within the price limit
- 4 is an acceptable weight for carrying and should fold easily to fit in a backpack
- 4 meets the temperature rating requirement
- 4 is water-resistant as required

Grants to 2

- 2 has a lower temperature rating which may be better if it gets colder than the expected 30 degrees

In the middle pair, I placed 2 over 3 because:

- 2 is water-resistant where 3 is not
- 2 meets the temperature rating
- 2 is within the price limit

Grants to 3

- 3 is lighter in weight than 2

In the bottom pair, I placed 3 over 1 because:

- 3 meets the temperature rating where 1 does not
- 3 weighs less than the three pounds as required

Grants to 1

- 1 is the least expensive option


## I placed 1 last because:

- 1 is the heaviest weight in the class and is more than the three-pound weight limit required by Evelyn
- 1 does not meet the temperature requirement
- 1 is not water-resistant


## Junior/Intermediate

Class \#2 - Fast Food
Placing: 3-2-4-1
Cuts: 2-4-2

## Reasoning:

In the top pair, I placed 3 over 2 because:

- 3 has fewer calories
- 3 has fewer carbs
- 3 has less fat
- 3 has more protein

Grants to 2:

- While 2 is lower in price, it does not have the better choices in nutritional value.

In the middle pair, I placed 2 over 1 because:

- 2 has fewer calories
- 2 has much less fat
- 2 has much more fiber
- 2 has less sugar
- 2 is a lower price

Grants to 1:

- 1 is higher in protein and lower in carbs, but does cost more

In the bottom pair, I placed 4 over 1 because:

- 4 has much more protein
- 4 has more fiber
- 4 has less sugar
- 4 has a lower price
- 4 has more vegetables

Grants to 1:

- 1 is less in calories and has fewer carbs, but higher in sugar and has less fiber.

I placed 1 last because:

- Overall, 1 has the lowest nutritional value
- 1 has the most sugar content.
- 1 is the highest priced item


## Junior/Intermediate/Senior

## Class \#3 - Sunglasses

Placing: 4-3-1-2
Cuts: 2-3-4

## Reasoning:

## In the top pair, I placed 4 over 3 because:

- 4 comes with a variety of interchangeable lens colors
- 4 is versatile in many sports including motorcycling
- Both are within price range
- Both offer lifetime breakage warranty and 30-day money back guarantee

Grants to 3:

- 3 does come in colors but does not have interchangeable lenses

In the middle pair, I placed 3 over 1 because:

- 3 come in a variety of colors
- 3 is versatile with many sports
- 3 is less expensive
- Both offer lifetime breakage warranty and 30-day money back guarantee on frame

Grants to 1:

- 1 is lightweight and bendable but not as versatile
- 1 offers lifetime breakage warranty on frames and lens

In the bottom pair, I placed 1 over 2 because:

- Frames on 1 are better suited to sports
- 1 has more stylish design
- 1 has mirrored lenses
- 1 has lifetime warranty and 30-day money back guarantee

Grants to 2:

- 2 are glare resistant and within price range

I placed 2 last because:

- The frames are not break resistant
- No choice in colors
- The most expensive
- No warranty


## Junior/Intermediate

## Class \#4 - Cookware

Placing: 2-3-4-1
Cuts: 2-4-3

## Reasoning:

## In the top pair, I placed 2 over 3 because:

- 2 is well under budget
- Both are dishwasher safe and nonstick for easy maintenance
- Both come with lid
- Both are oven safe
- 2 is best option for price
- 2 is made from aluminum which is an excellent conductor of heat

Grants to 3

- 3 is oven safe to a higher temp than 2, but does not compensate for being more expensive


## In the middle pair, I placed 3 over 4 because:

- 3 has better heat control as it is a copper pan
- Both are dishwasher safe for easy maintenance
- 3 is nonstick and does not require seasoning which makes for easy maintenance
- 3 is less expensive

Grants to 4

- 4 is larger in diameter and oven safe to a higher temp than 3
- 4 is made of stainless steel which tends to be easier to care for

In the bottom pair, I placed 4 over 1 because:

- 4 includes lid
- 4 (stainless steel) is easier to care for than 1 (cast iron)
- Both are larger in diameter than top pair

Grants to 1

- 1 is well under budget

I placed 1 last because:

- A lid is not included with the skillet
- The skillet is hand wash only
- Skillet requires regular seasoning for maintenance


## Junior/Intermediate

## Class \#5 - Active Wear

Placing: 4-2-1-3
Cuts: 1-5-2

## Reasoning:

## In the top pair, I placed 4 over 2 because:

- 4 is $88 \%$ polyester which wicks sweat away, keeping you dry and comfortable
- 4 is made of a moisture wicking fabric that helps release moisture away from the body
- 4 has proactive thermo-regulation and superior moisture management

Grants to 2:

- 2 is less expensive
- 2 has flat seams to help reduce irritation caused by chafing
- 2 has ergonomic seams for natural range of motion

In the middle pair, I placed 2 over 1 because:

- 2's fit would be more appropriate for Yoga
- 2 is less expensive
- 2 has flat seams to help reduce irritation caused by chafing
- 2 has ergonomic seams for natural range of motion
- 2 will help keep you cool whereas 1 will keep you warm

Grants to 1 :

- 1 provides more than adequate coverage


## In the bottom pair, I placed 1 over 3 because:

- 1 would provide more coverage for Yoga
- Neither is appropriate for Yoga, more appropriate for running or other activities

Grants to 3

- 3 is least expensive of all options
- 3 fabric content includes Spandex which provides for flexibility

I placed 3 last because:

- 3 would be least desirable option for Yoga, would not provide coverage


## Junior/Intermediate

Class \#6 - Mystery - Cell Phones
Placing: 1-2-3-4
Cuts: 3-2-5

## Reasoning:

In the top pair, I placed 1 over 2 because:

- 1 has 64 GB storage capacity making it good for Julie's needs
- 1 is the lightest weight phone
- 1 meets her financial needs of less than $\$ 25$ per month
- 1's screen size is acceptable, even though it isn't the largest

Grants to 2:

- 2 is less expensive

In the middle pair, I placed 2 over 3 because: (close pair)

- 2 is less expensive monthly
- 2 is slightly less in weight

Grants to 3:

- 3 has a slightly larger screen size

In the bottom pair, I placed 3 over 4 because:

- 3 is more affordable and fits Julie's price range of less than $\$ 25$ per month
- 3 weighs less than 4

Grants to 4:

- 4 has a larger screen size
- 4 has twice the amount of storage capacity


## I placed 4 last because:

- 4 is out of Julie's price range at $\$ 33.34$ per month when her budget is only $\$ 25$ per month
- 4 is the heaviest weight phone


## Senior

Class \#1 - Outdoor Equipment - REASONS
Placing: 3-4-1-2
Cuts: 2-3-4

## Reasoning:

## In the top pair, I placed 3 over 4 because: (close pair)

- 3 is less expensive (even with having to purchase the $\$ 60$ rain fly separately)
- 3 is more spacious with 90 square feet compared to 62 square feet in 4 (which will allow more space for their equipment and backpacks)
- 3 has aluminum poles which are less expensive than carbon fiber poles on 4 if they ever needed to be replaced

Grants to 4

- 4 is the lightest weight tent (13 ounces lighter than 3 )
- 4 is made of carbon fiber poles which are considered the best quality poles


## In the middle pair, I placed 4 over 1 because:

- 4 is lighter weight (10 ounces lighter)
- 4 is made of the higher-quality carbon fiber poles
- 4 has slightly more square footage
- Both 4 and 1 have full rain coverage, will sleep at least 4 people, and are within the price range

Grants to 1

- 1 is the least expensive option

In the bottom pair, I placed 1 over 2 because:

- 1 is much lighter in weight (over 15 pounds difference!)
- 1 has a full coverage rainfly
- 1 is the least expensive option

Grants to 2:

- 2 has more square footage (43 more square feet!) and would allow more room for the boys and for equipment and backpack storage

I placed 2 last because:

- 2 is the heaviest tent - more than 25 pounds!
- 2 does not have a full rainfuly


## Senior

## Class \#2 - Fast Food

Placing: 3-2-4-1
Cuts: 2-4-2

## Reasoning:

## In the top pair, I placed 3 over 2 because:

- 3 has fewer calories
- 3 has fewer carbs
- 3 has less fat
- 3 has more protein
- The cost will be $\$ 10$ for the family ( $\$ 2.50 \times 4$ people), so it is within their budget

Grants to 2:

- While 2 is lower in price, it does not have the better choices in nutritional value.

In the middle pair, I placed 2 over 1 because:

- 2 has fewer calories
- 2 has much less fat
- 2 has much more fiber
- 2 has less sugar
- 2 is a lower price at $\$ 8.80$ for the family ( $\$ 2.20 \times 4$ people)

Grants to 1:

- 1 is higher in protein and lower in carbs, but does cost more

In the bottom pair, I placed 4 over 1 because:

- 4 has much more protein
- 4 has more fiber
- 4 has less sugar
- 4 has a lower price than $1(\$ 5.50 \times 4$ people $=\$ 22)$
- 4 has more vegetables

Grants to 1:

- 1 is less in calories and has fewer carbs, but higher in sugar and has less fiber.


## I placed 1 last because:

- Overall, 1 has the lowest nutritional value
- 1 has the most sugar content.
- 1 is the highest priced item which would result in $\$ 23$ for the family (\$5.75 x 4 people)


## Junior/Intermediate/Senior

## Class \#3 - Sunglasses

Placing: 4-3-1-2
Cuts: 2-3-4

## Reasoning:

## In the top pair, I placed 4 over 3 because:

- 4 comes with a variety of interchangeable lens colors
- 4 is versatile in many sports including motorcycling
- Both are within price range
- Both offer lifetime breakage warranty and 30-day money back guarantee

Grants to 3:

- 3 does come in colors but does not have interchangeable lenses

In the middle pair, I placed 3 over 1 because:

- 3 come in a variety of colors
- 3 is versatile with many sports
- 3 is less expensive
- Both offer lifetime breakage warranty and 30-day money back guarantee on frame

Grants to 1:

- 1 is lightweight and bendable but not as versatile
- 1 offers lifetime breakage warranty on frames and lens

In the bottom pair, I placed 1 over 2 because:

- Frames on 1 are better suited to sports
- 1 has more stylish design
- 1 has mirrored lenses
- 1 has lifetime warranty and 30-day money back guarantee

Grants to 2:

- 2 are glare resistant and within price range

I placed 2 last because:

- The frames are not break resistant
- No choice in colors
- The most expensive
- No warranty


## Senior

## Class \#4 - Cookware

Placing: 1-2-3-4
Cuts:
2-3-5

## Reasoning:

In the top pair, I placed 1 over 2 because:

- 1 has 12 pieces
- 1 is well under budget
- All pieces in 1 have lids
- Both are made of stainless steel and aluminum which are good for more even heating
- Both are dishwasher safe


## Grants to 2

- 2 has durable lids with higher heat tolerance
- 2 is within budget, but not as good of a deal

In the middle pair, I placed 2 over 3 because:

- Both made of stainless steel with aluminum core which are good for more even heating
- 2 is oven safe to 500 F
- Both have 10 pieces
- All pieces in 2 are dishwasher safe
- 2 does not have non-stick, which is what Daniel requested

Grants to 3

- 3 is less expensive

In the bottom pair, I placed 3 over 4 because:

- Some pieces in 3 are not non-stick, and Daniel would prefer not to have any nonstick cookware
- Stainless steel pots and pans in 3 have aluminum core so it will be more durable and still have an even heating surface

Grants to 4

- 4 is well under budget and completely dishwasher safe
- 4 is oven safe up to 350 F


## I placed 4 last because:

- All pieces are nonstick cookware which Daniel did not want
- All pieces are aluminum which could scratch and dent more easily than the other three stainless steel sets


## Senior

## Class \#5 - Active Wear - REASONS

Placing: 4-2-1-3
Cuts: 3-5-2

## Reasoning:

## In the top pair, I placed 4 over 2 because:

- 4 is mostly polyester, which wicks sweat away, keeping you dry and comfortable
- 4 is made of a moisture wicking fabric that helps release moisture away from the body
- 4 has proactive thermo-regulation and superior moisture management

Grants to 2:

- 2 is less expensive
- 2 (pants) has flat seams to help reduce irritation caused by chafing
- 2 (pants) has ergonomic seams for natural range of motion


## In the middle pair, I placed 2 over 1 because:

- 2 would be more appropriate for Pilates
- 2 is less expensive
- 2 (pants) has flat seams to help reduce irritation caused by chafing
- 2 has ergonomic seams for natural range of motion
- 2 will help keep you cool whereas 1 will keep you warm

Grants to 1 :

- 1 fiber content is $100 \%$ polyester which wicks sweat away


## In the bottom pair, I placed 1 over 3 because:

- 1 would provide more coverage for Pilates
- 1 is $100 \%$ polyester which wicks sweat away better than cotton (3 top)
- Both (tops) offer Signature Moisture Transport System
- Neither is appropriate for Pilates, more appropriate for running or other activities


## Grants to 3

- 3 is least expensive of all options
- 3 fabric content includes Elastane or Spandex for flexibility

I placed 3 last because:

- 3 would be least desirable option for Pilates, would not provide coverage


## Senior

## Class \#6 - Mystery - Cell Phones

Placing: 2-3-4-1
Cuts: 2-3-2

## Reasoning:

In the top pair, I placed 2 over 3 because:

- 2 is the only phone that meets all of her expectations:
o Rear camera is 12 megapixels and front camera is 8 megapixels
o It has the minimum 64 GB she needs
o The battery life is an acceptable 24 hours
o The phone is water resistant
Grants to 3:
- 3 has a larger storage capacity
- 3 has a longer battery life
- 3 is the least expensive

In the middle pair, I placed 3 over 4 because:

- Both phones meet her minimum expectations of camera, storage, and battery life, but neither are water resistant
- 3 has more storage and battery life than 4
- 3 is the least expensive

Grants to 4:

- 4 has a higher quality front camera
- 4 has a slightly larger screen

In the bottom pair, I placed 4 over 1 because:

- 4 meets Tabitha's minimum expectation for a front camera (where 1 only has a 7megapixel front camera)

Grants to 1:

- 1 is less expensive
- 1 is waterproof

I placed 1 last because:

- 1 will not work for Tabitha's needs of at least an 8-megapixel camera that she will need for her videos and photos

