

Class #1 Junior & Intermediate Digital Cameras

Claire has been asked by the Texas A&M Rodeo coach to be the official Rodeo Team Photographer. She was given an \$800 spending limit to buy a new, high performance camera in order to take pictures with. Which camera will best fit Claire's needs with the money she was given?

#1

Sony Digital Camera W510
\$699.99

Model Highlights: 22.1-megapixel, 26mm equivalent lens with 15x optical zoom, Sweep Panorama Mode, 2.7" LCD, iAuto, Smile Shutter™ and Face Detection, SteadyShot™ image stabilization, VGA movie capabilities.



#2

GE Digital Camera WX10
\$229.99

Model Highlights: 8-megapixel, 4x optical zoom, 2.8" screen, Full HD 1080/60i video, "Exmor R" CMOS sensor, 10fps, background defocus, manual control, 3D Sweep Panorama



#3

Canon Digital Camera W530
\$799.99

Model Highlights: 17.1-megapixel, 26mm equivalent lens with 8x optical zoom, Sweep Panorama Mode, 2.7" LCD, iAuto, Smile Shutter™ and Face Detection,



#4

Lumix Digital Camera W560
\$209.99

Model Highlights: 14.1-megapixel, Sweep Panorama Mode, HD Movie mode (720p), 3.0" LCD, iAuto mode, Optical SteadyShot™ image stabilization, Carl Zeiss® Vario-Tessar 4x (25mm wide) optical zoom lens.



Class #2 Junior & Intermediate Cell Phones

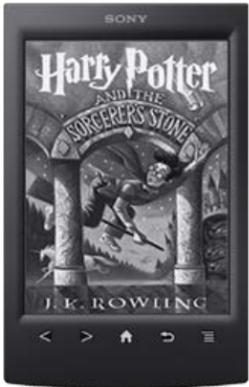
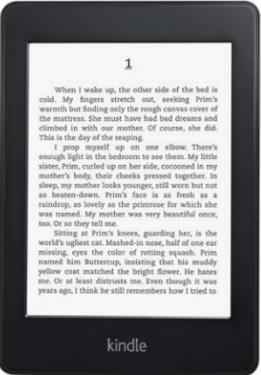
The Robertson Family is looking to upgrade their current cell phones to smart phones and also add their 16 year old twin girls to their plan. The twins will need a phone for texting and making calls only. They like to text a lot. Mr. & Mrs. Robinson need to be able to access their emails on their phones, so two of the phones will need data allowances. Find the plan that will benefit the Robinson Family in the most economical way.

Features	#1	#2	#3	#4
Plan	Verizon Plan	T-Mobile Unlimited Family	AT&T Nationwide Family Plan	Sprint Unlimited Family
Lines	1	4	4	4
Data Allowances	3GB (\$29.99/month)	6GB (\$9.99/month/phone)	12GB (\$9.99/month/phone)	2GB (\$19.99/month/phone)
Minutes	2,000	unlimited	unlimited	unlimited
Messaging	500 \$0.10 each additional text over 500	700 \$0.10 each additional text over 700	unlimited	500 \$0.10 each additional text over 500
Price/Month	\$19.99	\$49.99	\$49.99	\$29.99

Class #3 Junior & Intermediate

Digital Media Players

Mark loves to read and wants to purchase a new e-reader. His family travels on a lot of long road trips, so a long battery life is very important. It needs to light up on its own, have internet access to purchase or borrow books, and touch screen capabilities would be a plus. A color screen is not required since he will use it primarily just to read. Mark has been saving up all of his birthday and Christmas money for a new e-reader and books to purchase. He has \$250. Which e-reader would be the best for Mark?

<p>#1 Sony eReader</p> 	<p>#2 iPad Mini</p> 	<p>#3 Kindle Paperwhite</p> 	<p>#4 Nook HD</p> 
<p><i>General Features</i> Screen: Not Touch screen Screen Color: Black & White Battery Life: 15 hours Illumination: Not Self Illuminated Internet Access: Wi-Fi Average Book Cost: Free - \$12</p>	<p><i>General Features</i> Screen: Touch screen Screen Color: Full Color Battery Life: 10 hours Illumination: Self Illuminated Internet Access: Wi-Fi Average Book Cost: Free - \$12</p>	<p><i>General Features</i> Screen: Touch screen Screen Color: Black & White Battery Life: 28 hours Illumination: Self Illuminated Internet Access: 3G & Wi-Fi Average Book Cost: Free - \$12</p>	<p><i>General Features</i> Screen: Touch screen Screen Color: Color Battery Life: 15 hours Illumination: Self Illuminated Internet Access: Wi-Fi Average Book Cost: Free - \$12</p>
<p style="text-align: center;">Price: \$129</p>	<p style="text-align: center;">Price: \$329</p>	<p style="text-align: center;">Price: \$179</p>	<p style="text-align: center;">Price: \$199</p>

Class #4 Junior & Intermediate

Televisions

Jordan wants to buy a TV-DVD combo for herself she would like to use it with her new Wii. Jordan loves to play games and watch movies on her existing TV but wants an upgrade. She wants to have a flat screen 24 in. She wants her TV to be slim and to have LED-1080p plus HDMI cable ready. She has \$300 to spend.

Product #1 LG- 24" Class	Product #2 Toshiba-24" Class DVD Combo	Product #3 RCA – 24" Class	Product #4 Westinghouse- 19" Class
\$ 179.99 	\$269.99 	\$199.99 	\$149.99 
Ultraslim design (2-1/2" deep) Ideal for wall mounting (with optional mounting kit, not included). VESA 100mm x 100mm compliant	Ultraslim design (2" deep) Ideal for wall mounting (with optional mounting kit, not included). VESA 100mm x 100mm compliant	Ultraslim design (2 -1/2" deep) Comes with a stationary base or can be mounted on a wall (with optional mounting kit, not included). VESA 100mm x 100mm compliant.	Ultraslim design (2 – 1/2" deep) Ideal for wall mounting (with optional mounting kit, not included). VESA 100mm x 100mm compliant.
1366 x 768 pixels resolution Supports 720p signals for stunning image clarity.	1080p display Provides the highest quality progressive-scan picture possible from a high-definition source.	1080p display Provides the highest quality progressive-scan picture possible from a high-definition source.	720p display For an arresting viewing experience.
HDMI cable not included. High-speed HDMI cable is the only connection that can deliver a full HDTV experience.	HDMI cable included. High-speed HDMI cable HDTV experience with a full 1080p picture	HDMI cable not included. High-speed HDMI cable is the only connection that can deliver a full HDTV experience with a full 1080p picture	HDMI cable not included. High-speed HDMI cable is the only connection that can deliver a full HDTV experience
PC video input Lets you connect your computer to experience high-resolution images	PC video input Lets you connect your computer to experience high-resolution images.	PC video input Lets you connect your computer to experience high-resolution images.	PC video input Lets you connect your computer to experience high-resolution images.
Picture-in-picture Lets you view 2 channels simultaneously.	Built-in DVD player Supports DVD, DVD-R/RW, CD, Video CD, MP3, WMA, JPEG, Kodak Picture CD and FUJICOLOR CD formats for a variety of entertainment options.	USB port For quick connection of a digital camera or other USB device.	Two 3W speakers Create a lush soundscape.
Component – Video Input 2 Inputs	Component – Video Input 3 Inputs	Component – Video Input 3 Inputs	Component – Video Input 1 Inputs

REASONS

REASONS

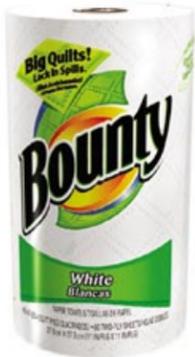
Class # 5 Junior & Intermediate Nutritious Snacks

Luke is looking for a quick snack to eat when he gets home from school. In his Food and Nutrition Project, he has been learning to select healthy snacks. Help Luke find a nutritious snack.

	#1	#2	#3	#4
				
	Kashi Trail Mix Chewy Granola Bar	Quaker Blueberry Yogurt Bar	Lance 100 Calorie Toasty Peanut Butter Crackers	Lance Golden Cheddar Cheese Popcorn
Calories	130	150	100	160
Total Fat	5g	4.5g	6g	11g
Saturated Fat	.5g	2.5g	1.5g	3g
Sodium	90mg	115mg	180mg	280mg
Total Carbohydrates	20g	25g	12g	13g
Dietary Fiber	4g	1g	1g	2g
Sugar	6g	11g	2g	2g

Class #6 Junior & Intermediate Mystery – Disposable Towels

Sally runs a day care center. She is constantly wiping up spilled juice, dropped food and mud off the floors of the center. She also uses disposable towels to wipe hands and faces after meals and snacks are served. She needs a disposable towel that is durable and absorbent. Please help Sally find the right disposable towel for her day care center.

	#1	#2	#3	#4
Features:	Bounty 	Great Value 	Viva 	Brawny 
Cost per roll	\$.95	\$1.49	\$.68	\$.81
Select-A-Size	Yes	No	Yes	Yes
Size	11" x 6"	11" x 6"	11" x 6.2"	11" x 6"
Square Feet	566.6	423.5	416	561
2-ply	Yes	Yes	No	Yes

Class #1 Senior Computers

Sharon wants to buy a computer for her son who is going to college in the fall. Her son will be majoring in photography and videography and loves to play games and watch movies on his computer. She also wants to have a webcam so they can Skype since they will be 5 states away. She also wants his computer to be mobile so he can take it anyway with him. She has \$700 to spend.

Product #1	Product #2	Product #3	Product #4
\$799	\$499	\$549.99	\$599.99
Laptop	Laptop	Laptop	Laptop
3rd Gen Intel® Core™ i5-3317U processor Features a 1.7GHz processor speed with Turbo Boost up to 2.6GHz.	2nd Gen Intel® Core™ i3-2365M Features a 3MB L3 cache and 1.4GHz processor speed.	3rd Gen Intel® Core™ i5-3210M processor Features a 3MB L3 cache and 2.5GHz processor speed with Turbo Boost up to 3.2GHz.	3rd Gen Intel® Core™ i5-3317U processor Features a 3MB L3 cache and 1.7GHz processor speed with Turbo Boost up to 2.6GHz.
Intel® Core™ i5 processor Features smart 4-way processing performance with a speed boost.	Intel® Core™ i3 processor Features smart 4-way processing performance for HD quality computing.	Intel® Core™ i5 processor Features smart 4-way processing performance with a speed boost.	Intel® Core™ i5 processor Features smart 4-way processing performance with a speed boost.
Intel® Turbo Boost Technology Delivers extra performance when you need it and increased energy efficiency when you don't. Intel® HD graphics provide extra graphics power for your laptop when you need it.		Intel® Turbo Boost Technology Delivers extra performance when you need it and increased energy efficiency when you don't. Intel® HD graphics provide extra graphics power for your laptop when you need it.	Intel® Turbo Boost Technology Delivers extra performance when you need it and increased energy efficiency when you don't. Intel® HD graphics provide extra graphics power for your laptop when you need it.
4GB DDR3 SDRAM For multitasking power.	4GB DDR3 memory For multitasking power.	6GB DDR3 memory For multitasking power, expandable to 8GB	6GB DDR3 memory For multitasking power.
14" LED-backlit high-definition touch-screen display With BrightView technology and 1366 x 768 resolution showcases movies and games in stunning clarity.		15.6" LED high-definition widescreen display With a matte finish and 1366 x 768 resolution showcases movies and games in stunning clarity.	15.6" LED-backlit high-definition widescreen display With CineCrystal technology and 1366 x 768 resolution showcases movies and games in stunning clarity.
500GB hard drive (5400 rpm) Offers spacious storage and fast read/write times. HP ProtectSmart hard drive protection helps keep your data safe. A 32GB solid state drive cache with Intel® Rapid Start technology ensures fast system response.	500GB hard drive Offers plenty of storage capacity.	750GB Serial ATA II hard drive (5400 rpm) Offers spacious storage and fast read/write times.	500GB Serial ATA hard drive (5400 rpm) Along with a 20GB solid state drive offers spacious storage and fast read/write times.
Intel® HD Graphics 4000 Feature up to 1664MB total available video memory for lush images. HDMI output for connection to an HDTV.		Intel® HD Graphics 4000 Feature shared video memory for lush images with intricate detail. HDMI output for flexible connectivity options.	Intel® HD Graphics 4000 With 128MB dedicated video memory ensures lush images. HDMI output for connection to an HDTV.
Built-in HP TrueVision HD webcam. With an integrated dual-array digital microphone makes it easy to video chat with family and friends.		Built-in 1.3MP high-definition webcam and microphone Make it easy to video chat with family and friends.	Built-in high-definition 1.3MP webcam With 1280 x 1024 resolution makes it easy to video chat with family and friends.
Multiformat media reader Supports Secure Digital and MultiMediaCard formats.		4-in-1 media reader Supports Secure Digital, Secure Digital High Capacity, SDXC and MultiMediaCard formats.	2-in-1 media reader Supports Secure Digital and MultiMediaCard formats.

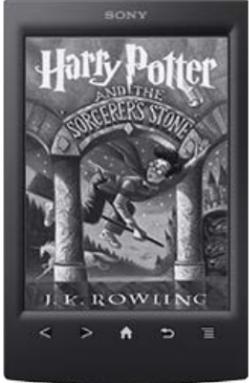
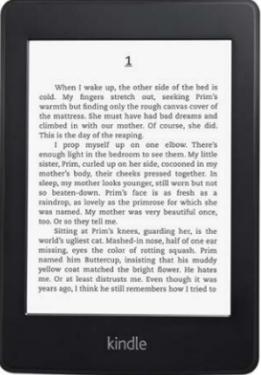
Class #2 Senior Cell Phones

The Robertson Family is looking to upgrade their current cell phones to smart phones and also add their 16 year old twin girls to their plan. The twins will need a phone for texting and making calls only. They like to text a lot. Mr. & Mrs. Robinson need to be able to access their emails on their phones, so two of the phones will need data allowances. Find the plan that will benefit the Robinson Family in the most economical way.

Features	#1	#2	#3	#4
Plan	Verizon Plan	T-Mobile Unlimited Family	AT&T Nationwide Family Plan	Sprint Unlimited Family
Lines	1	4	4	4
Data Allowances	3GB (\$29.99/month)	6GB (\$9.99/month/phone)	12GB (\$9.99/month/phone)	2GB (\$19.99/month/phone)
Minutes	2,000	unlimited	unlimited	unlimited
Messaging	500 \$0.10 each additional text over 500	700 \$0.10 each additional text over 700	unlimited	500 \$0.10 each additional text over 500
Price/Month	\$19.99	\$49.99	\$49.99	\$29.99

Class #3 Senior Digital Media Players

Jonah is getting ready for college and wants to purchase a new e-reader. He will use it for text books & studying, reading for pleasure, and entertainment. It needs to have a touch screen, light up on its own, and have internet access. A color screen would be very helpful for studying pictures & graphs in text books. Jonah has been saving up all of his birthday and graduation money. He has \$250. Which e-reader would be the best for Jonah?

<p>#1 Sony eReader</p> 	<p>#2 iPad Mini</p> 	<p>#3 Kindle Paperwhite</p> 	<p>#4 Nook HD</p> 
<p style="text-align: center;"><i>General Features</i></p> <p>Screen: Not Touch screen Screen Color: Black & White Battery Life: 15 hours Illumination: Not Self Illuminated Internet Access: Wi-Fi Average Book Cost: Free - \$12</p>	<p style="text-align: center;"><i>General Features</i></p> <p>Screen: Touch screen Screen Color: Full Color Battery Life: 10 hours Illumination: Self Illuminated Internet Access: Wi-Fi Average Book Cost: Free - \$12</p>	<p style="text-align: center;"><i>General Features</i></p> <p>Screen: Touch screen Screen Color: Black & White Battery Life: 28 hours Illumination: Self Illuminated Internet Access: 3G & Wi-Fi Average Book Cost: Free - \$12</p>	<p style="text-align: center;"><i>General Features</i></p> <p>Screen: Touch screen Screen Color: Color Battery Life: 15 hours Illumination: Self Illuminated Internet Access: Wi-Fi Average Book Cost: Free - \$12</p>
<p style="text-align: center;">Price: \$129</p>	<p style="text-align: center;">Price: \$329</p>	<p style="text-align: center;">Price: \$179</p>	<p style="text-align: center;">Price: \$199</p>

Class #4 Senior Televisions

Jordan wants to buy a TV-DVD combo for herself she would like to use it with her new Wii. Jordan loves to play games and watch movies on her existing TV but wants an upgrade. She wants to have a flat screen 24 in. She wants her TV to be slim and to have LED-1080p plus HDMI cable ready. She has \$300 to spend.

Product #1 LG- 24" Class	Product #2 Toshiba-24" Class DVD Combo	Product #3 RCA – 24" Class	Product #4 Westinghouse- 19" Class
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HDMI cable not included. High-speed HDMI cable is the only connection that can deliver a full HDTV experience.	HDMI cable included. High-speed HDMI cable HDTV experience with a full 1080p picture	HDMI cable not included. High-speed HDMI cable is the only connection that can deliver a full HDTV experience with a full 1080p picture	HDMI cable not included. High-speed HDMI cable is the only connection that can deliver a full HDTV experience
PC video input Lets you connect your computer to experience high-resolution images	PC video input Lets you connect your computer to experience high-resolution images.	PC video input Lets you connect your computer to experience high-resolution images.	PC video input Lets you connect your computer to experience high-resolution images.
Picture-in-picture Lets you view 2 channels simultaneously.	Built-in DVD player Supports DVD, DVD-R/RW, CD, Video CD, MP3, WMA, JPEG, Kodak Picture CD and FUJICOLOR CD formats for a variety of entertainment options.	USB port For quick connection of a digital camera or other USB device.	Two 3W speakers Create a lush soundscape.
Component – Video Input 2 Inputs	Component – Video Input 3 Inputs	Component – Video Input 3 Inputs	Component – Video Input 1 Inputs

REASONS

REASONS

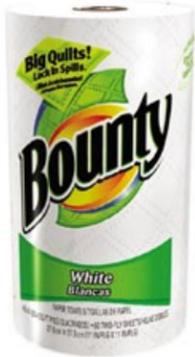
Class # 5 Senior Nutritious Snacks

Luke is looking for a quick snack to eat when he gets home from school. In his Food and Nutrition Project, he has been learning to select healthy snacks. Help Luke find a nutritious snack.

	#1		#2		#3		#4	
								
	Kashi Trail Mix Chewy Granola Bar	Apple Juice Box	Quaker Blueberry Yogurt Bar	2% Milk	Lance 100 Calorie Toasty Peanut Butter Crackers	Orange Juice Box	Lance Golden Cheddar Cheese Popcorn	Minute Maid Cooler
Calories	130	100	150	120	100	100	160	100
Total Fat	5g		4.5g	5g	6g		11g	
Saturated Fat	.5g		2.5g	3g	1.5g		3g	
Sodium	90mg	15mg	115mg	125mg	180mg	15mg	280mg	15mg
Total Carbohydrates	20g	23g	25g	12g	12g	23g	13g	26g
Dietary Fiber	4g		1g		1g		2g	
Sugar	6g	22g	11g	11g	2g	20g	2g	24g

Class #6 Senior Mystery – Disposable Towels

Sally runs a day care center. She is constantly wiping up spilled juice, dropped food and mud off the floors of the center. She also uses disposable towels to wipe hands and faces after meals and snacks are served. She needs a disposable towel that is durable and absorbent. Please help Sally find the right disposable towel for her day care center.

	#1	#2	#3	#4
Features:	Bounty 	Great Value 	Viva 	Brawny 
Cost per roll	\$.95	\$1.49	\$.68	\$.81
Select-A-Size	Yes	No	Yes	Yes
Size	11" x 6"	11" x 6"	11" x 6.2"	11" x 6"
Square Feet	566.6	423.5	416	561
2-ply	Yes	Yes	No	Yes

JUNIOR/INTERMEDIATE

Class #1 – Digital Cameras

Placing: 1-3-4-2

Cuts: 2/4/2

Reasoning:

I placed this class of digital cameras 1 – 3 – 4 – 2.

With an obvious top pair, I placed 1 over 3 because it had the most mega pixels and was within the budget stated by the scenario.

I placed 3 over 4, however 3 does come too close for comfort in Clair's budget, it does offer more mega pixels than 4 is able to provide at the lower cost.

In a close bottom pair, I placed 4 over 2. 2 and 4 both have a 4x optical zoom, but 4 is slightly less expensive and also offers 14.1 megapixels compared to the 8-pixel, 2.

2 is an obvious bottom due to the lack of performance and mega pixels, even if it has an enticing price tag.

JUNIOR/INTERMEDIATE

Class #2 – Cell Phones

Placing: 3-2-4-1

Cuts: 3/1/4

Reasoning:

	#1	#2	#3	#4
Carrier	Verizon	T-Mobile	AT&T	Sprint
Lines	This is only for one line; not a family plan.	4 lines	4 lines	4 lines
Data	\$29.99 x 2 phones = \$59.98 3GB each line	\$9.99 x 2 phones = \$19.98 6GB each line	\$9.99 x 2 phones = \$19.98 12GB each line	\$19.99 x 2 phones = \$39.98 2 GB each line
Price/Month	\$19.99 x 4 phones = \$79.96	\$49.99	\$49.99	\$29.99
Monthly Cost before overages	\$139.94	\$69.97	\$69.97	\$69.97
Minutes overages	Additional cost after 2000 minutes	Unlimited	Unlimited	Unlimited
Text overages	\$0.10 after 500	\$0.10 after 700	Unlimited	\$0.10 after 500

I placed this class 3-2-1-4. The Robertson family is looking for a cell phone plan to accommodate their children's high volume of text messaging and Mr. & Mrs. Robertson's email activity.

I placed 3 over 2 because it is the most economical plan. I realize that 3 is comparably priced within in the class, however 3 has unlimited text messaging which is beneficial for their texting teens. In addition, 3 offers twice the amount of data for the same price as 2.

I placed 2 over 4 because it offers more data for a lower cost and slightly more text messages, although not ideal for our scenario.

I placed 4 over 1 due to a lower cost. I grant that 1 offers more data, however it places last because it is the will become the most costly per month and does not offer unlimited text messaging or unlimited minutes.

JUNIOR/INTERMEDIATE

Class #3 – Digital Media Players

Placing: 3-4-1-2

Cuts: 2/3/4

Reasoning:

Mark loves to read and wants to purchase a new e-reader. His family travels on a lot of long road trips, so a **long battery life** is very important. It needs to **light up on its own, have internet access** to purchase or borrow books, and **touch screen** capabilities would be a plus. A color screen would be nice but is not required since he will use it primarily just to read. Mark has been saving up all of his birthday and Christmas money for a new e-reader and books to purchase and has about \$250, so price is important but not the only factor to consider.

Which e-reader would be the best for Mark?

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

- 3's battery life is significantly longer (28 hrs vs. 10.5 hrs)
- 3 is \$20 cheaper

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

- 4 has a touch screen
- 4 is self-illuminated and 1 is not

Grants to 1

- Longer battery life
- Price is lower

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

- longer battery life (15 hrs vs 10.5 hrs)
- price (\$129 vs \$329)

Grants to 2

- While it is self-illuminated & touch screen, that doesn't warrant an extra \$200 in cost.

I placed 1 last because:

- highest price
- one of the shortest battery lengths

JUNIOR/INTERMEDIATE

Class #4 - Televisions

Placing: 2-3-1-4

Cuts: 4/3/3

Reasoning:

Jordan is wanting to buy a new slim, flat screen 24" T.V. –DVD combo. She is looking for LED-1080p, under \$300 with an input for her Wii.

In the top pair, I placed 2 over 3 because 2, the Toshiba, is a 24" T.V.-DVD combo with 1080p and 3 inputs for her Wii and other devices, which more inputs than any other television in the class. The Toshiba is ultraslim design at 2" deep for only \$269.99. I grant 3, the RCA TV is less expensive, however, it does not have the DVD combo and does not have an HDMI cable included.

In my middle pair, I placed 3 over 1 because 3, the RCA, is a 24" T.V. with 1080p and 3 inputs for her Wii and other devices. The RCA is ultraslim design at 2 ½ " deep for only \$199.99. I grant 1, the LG, is less expensive, but does not meet the minimum pixel resolution that Jordan is looking for and does not include an HDMI cable.

In my bottom pair, I placed 1 over 4 because 1 the LG is a 24" T.V. with 2 inputs for her Wii and other devices. The LG is ultraslim design at 2 ½ " deep for only \$179.99. I grant that 4, the Westinghouse, is the least expensive in the class.

I placed 4 last because 4 the Westinghouse T.V. is only a 19" T.V. with 720p and 1 input for other devices. The Westinghouse is ultraslim design at 2 ½ " deep for only \$149.99.

Therefore, I placed this class of televisions 2 – 3 – 1 – 4.

JUNIOR/INTERMEDIATE

Class #5 – Nutritious Snacks – Reasons

Placing: 1-3-2-4

Cuts: 1/3/4

Reasoning:

I placed this class of Nutritious Snacks 1 – 3 – 2 – 4.

Luke was looking for a nutritious after school snack. Calories, total fat, saturated fat, sodium, total carbohydrates, dietary fiber and sugar were all factors to consider.

I placed 1 over 3 because 1 the Kashi Trail Mix Chewy Granola Bar was the highest in dietary fiber at 4g. In addition, 1 has less fat and saturated fat, as well as sodium. Granted 3 the Peanut Butter Crackers were 30 calories lower and the total carbohydrates were 8 g lower, I criticize that the total fat was 1 g higher, saturated fat was 1g higher and sodium was 90mg higher than the Kashi Granola Bar.

I placed 3 over 2 because 3 the Peanut Butter Crackers were lower in calories at 100 calories per serving. Granted 2 is lower in total fat by 1.5g and lower in sodium by 65g, I criticize that the total carbohydrates are 13g higher, saturated fat is 1g higher and sugar is 9g higher than the Peanut Butter Crackers.

I placed 2 over 4 because 2 is lower in calories at 150 calories per serving. Granted 4 is 12g lower in total carbohydrates and 9g lower in sugar, I criticize that the total fat is 7.5g lower, saturated fat is .5g lower, and sodium is 165mg lower in the Yogurt Bar.

I placed 4 last because it was the highest in calories at 160, total fat at 11g, saturated fat at 3g, and sodium at 280mg.

Therefore I placed this class of Nutritious Snacks 1 – 3 – 2 – 4.

JUNIOR/INTERMEDIATE

Class #6 - Mystery – Disposable Towels

Placing: 4-1-3-2

Cuts: 1/3/2

Reasoning:

I placed this class of disposable towels as 4-1-3-2.

4 places over 1 because they are approximately the same size, both are two-ply, and select-a-size, however 4 is \$0.14 less expensive than 1.

1 places over 3 because 1 has more square feet available than 3. We grant that 3 is less expensive, however, it is not two-ply making it less absorbent and less durable, and has fewer square feet available.

3 places over 2 because 3 is much less expensive. (Since 3 is not two-ply, you would assume you would use approximately double the amount compared to the other towels. Even if you double the price, considering you would use twice as much, you would still be spending less ($\$0.68 \times 2 = \1.36) to purchase two rolls of 3 compared to one roll of 2. We grant that 2 has an advantage being two-ply, however the price outweighs this advantage considering they have similar amounts of square feet.

2 places last because it is the most expensive with the second least amount of square footage and it is not select-a-size.

SENIOR

Class #1 – Computers – Reasons

Placing: 3-4-2-1

Cuts: 2/3/4

Reasoning:

I placed this class of computers 3-4-2-1.

In the top pair, I placed 3 over 4 because not only was it less expensive, it had more G.Hz processing system (2.5 vs 1.7) and also a better turbo booster processor (3.2 vs 2.6). Product 3 also provided a better memory of 6GB but was also expandable to 8GB. Product 3 also had a 15.6" screen with HD which showcased movies and games in a stunning quality unlike product 1. Product 3 also provided the most hard drive space. It also provided a media reader for his major and a webcam to use Skype with family and friends.

In my middle pair, I placed 4 over 2 because 4 was an exceptionally better product. Product 4 had the webcam, media reader, turbo boost technology, HD display screen, video memory. Product 4 also had a better processor and more memory. I do criticize this product for not having as much hard drive memory as product 3 but I grant that it has a 20GB solid state drive and product 2 does not have the solid state drive.

In my bottom pair, I placed 2 over 1 because I criticize it was not as quality computer and did not have the media reader, webcam, and the better processor and hard drive, I grant it was still within the budget of \$700.

I placed 1 last because it was not within the \$700 budget and did not have as much G.HZ processor, as much DDR3 memory, a smaller screen, and as much hard drive memory.

Therefore, I placed this class 3-4-2-1

SENIOR

Class #2 – Cell Phones

Placing: 3-2-4-1

Cuts: 3/1/4

Reasoning:

	#1	#2	#3	#4
Carrier	Verizon	T-Mobile	AT&T	Sprint
Lines	This is only for one line; not a family plan.	4 lines	4 lines	4 lines
Data	\$29.99 x 2 phones = \$59.98 3GB each line	\$9.99 x 2 phones = \$19.98 6GB each line	\$9.99 x 2 phones = \$19.98 12GB each line	\$19.99 x 2 phones = \$39.98 2 GB each line
Price/Month	\$19.99 x 4 phones = \$79.96	\$49.99	\$49.99	\$29.99
Monthly Cost before overages	\$139.94	\$69.97	\$69.97	\$69.97
Minutes overages	Additional cost after 2000 minutes	Unlimited	Unlimited	Unlimited
Text overages	\$0.10 after 500	\$0.10 after 700	Unlimited	\$0.10 after 500

I placed this class 3-2-1-4. The Robertson family is looking for a cell phone plan to accommodate their children's high volume of text messaging and Mr. & Mrs. Robertson's email activity.

I placed 3 over 2 because it is the most economical plan. I realize that 3 is comparably priced within in the class, however 3 has unlimited text messaging which is beneficial for their texting teens. In addition, 3 offers twice the amount of data for the same price as 2.

I placed 2 over 4 because it offers more data for a lower cost and slightly more text messages, although not ideal for our scenario.

I placed 4 over 1 due to a lower cost. I grant that 1 offers more data, however it places last because it is the will become the most costly per month and does not offer unlimited text messaging or unlimited minutes.

SENIOR

Class #3 – Digital Media Players

Placing: 4-3-1-2

Cuts: 2/3/4

Reasoning:

Jonah is getting ready for college and wants to purchase a new e-reader. He will use it for text books & studying, reading for pleasure, and entertainment. It needs to have a **touch screen, light up on its own, and have internet access**. A **color screen** would be very helpful for studying pictures & graphs in text books. Jonah has been saving up all of his birthday and graduation money. He has **\$250**. Which e-reader would be the best for Jonah?

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

4 would best for studying with the color screen

4 meets all of the other requirements as well

For only \$20 more, he can get exactly what he wants versus the black & white screen of 3.

Grant to 3 – longer battery life

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

- 3 has a touch screen

- 3 is self-illuminated and 1 is not

-3 has longer battery life

Grants to 1

- Price is lower

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

- price (\$129 vs \$329)

-longer battery life (15 hrs vs 10.5 hrs)

I placed 1 last because:

- Even though 1 has everything Jonah wants/needs, it is out of his price range.

SENIOR

Class #4 – Televisions

Placing: 2-3-1-4

Cuts: 4/3/3

Reasoning:

Jordan is wanting to buy a new slim, flat screen 24" T.V. –DVD combo. She is looking for LED-1080p, under \$300 with an input for her Wii.

In the top pair, I placed 2 over 3 because 2, the Toshiba, is a 24" T.V.-DVD combo with 1080p and 3 inputs for her Wii and other devices, which more inputs than any other television in the class. The Toshiba is ultraslim design at 2" deep for only \$269.99. I grant 3, the RCA TV is less expensive, however, it does not have the DVD combo and does not have an HDMI cable included.

In my middle pair, I placed 3 over 1 because 3, the RCA, is a 24" T.V. with 1080p and 3 inputs for her Wii and other devices. The RCA is ultraslim design at 2 ½ " deep for only \$199.99. I grant 1, the LG, is less expensive, but does not meet the minimum pixel resolution that Jordan is looking for and does not include an HDMI cable.

In my bottom pair, I placed 1 over 4 because 1 the LG is a 24" T.V. with 2 inputs for her Wii and other devices. The LG is ultraslim design at 2 ½ " deep for only \$179.99. I grant that 4, the Westinghouse, is the least expensive in the class.

I placed 4 last because 4 the Westinghouse T.V. is only a 19" T.V. with 720p and 1 input for other devices. The Westinghouse is ultraslim design at 2 ½ " deep for only \$149.99.

Therefore, I placed this class of televisions 2 – 3 – 1 – 4.

SENIOR

Class #5 – Nutritious Snacks – Reasons

Placing: 1-3-2-4

Cuts: 1/4/2

Reasoning:

I placed this class of Nutritious Snacks 1 – 3 – 2 – 4.

Luke was looking for a nutritious after school snack. Calories, total fat, saturated fat, sodium, total carbohydrates, dietary fiber and sugar were all factors to consider.

I placed 1 over 3 because 1 the Kashi Trail Mix Chewy Granola Bar and Apple Juice was the highest in dietary fiber at 4g. Granted 3 the Peanut Butter Crackers and Orange Juice was 30 calories lower and the total carbohydrates were 8 g lower, I criticize that the total fat was 1 g higher, saturated fat was 1g higher and sodium was 90mg higher than the Kashi Granola Bar.

I placed 3 over 2 because 3 the Peanut Butter Crackers and Orange Juice was lower in calories at 200 calories per serving as well as being lower in total fat at 6g, saturated fat at 1.5 g, sodium at 195g, and total carbohydrates at 35g.

I placed 2 over 4 because 2 the Yogurt Bar and 2% Milk is lower in total carbohydrates at 37g. Granted 4 the Cheese Popcorn and Drink Box are 10 calories less and 2.5g lower in saturated fat, I criticize that the total fat is .5g lower, sodium is 55g lower, total carbohydrates is 2g lower and sugar is 2g lower in the Yogurt Bar and 2% Milk.

I placed 4 last because the cheese popcorn and drink box it was the highest in total fat at 11g, saturated fat at 3g, and sodium at 295mg, total carbohydrates at 39g and sugar at 24g. Also the drink box is only 10% juice.

Therefore I placed this class of Nutritious Snacks 1 – 3 – 2 – 4.

SENIOR

Class #6 - Mystery – Disposable Towels

Placing: 4-1-3-2

Cuts: 1/3/2

Reasoning:

I placed this class of disposable towels as 4-1-3-2.

4 places over 1 because they are approximately the same size, both are two-ply, and select-a-size, however 4 is \$0.14 less expensive than 1.

1 places over 3 because 1 has more square feet available than 3. We grant that 3 is less expensive, however, it is not two-ply making it less absorbent and less durable, and has fewer square feet available.

3 places over 2 because 3 is much less expensive. (Since 3 is not two-ply, you would assume you would use approximately double the amount compared to the other towels. Even if you double the price, considering you would use twice as much, you would still be spending less ($\$0.68 \times 2 = \1.36) to purchase two rolls of 3 compared to one roll of 2. We grant that 2 has an advantage being two-ply, however the price outweighs this advantage considering they have similar amounts of square feet.

2 places last because it is the most expensive with the second least amount of square footage and it is not select-a-size.