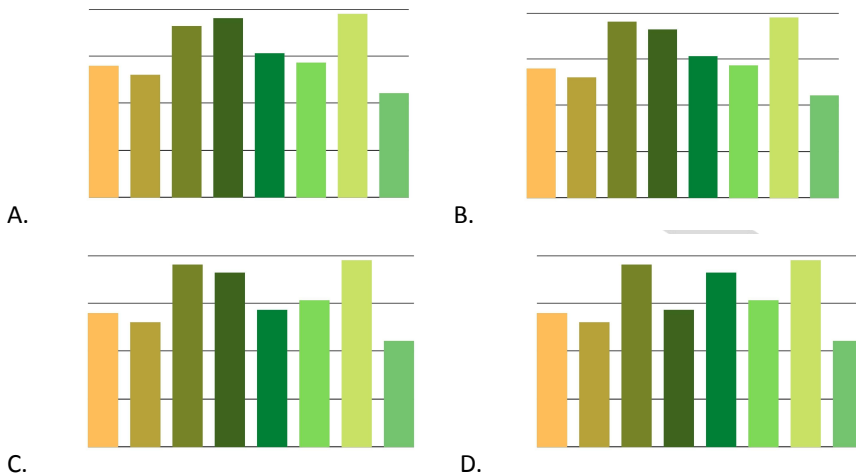


**NO. QUESTION**

1 Janus operates a Kpop merchandise store within SM Mall of Asia. In its 8 years of operations, Janus kept a track record of their sales and compiled them in the table below:

Year	2014	2015	2016	2017	2018	2019	2020	2021
Total Sales	\$1398	\$1301	\$1903	\$1820	\$1531	\$1431	\$1949	\$1107

Which of the following bar charts best represents the data above?



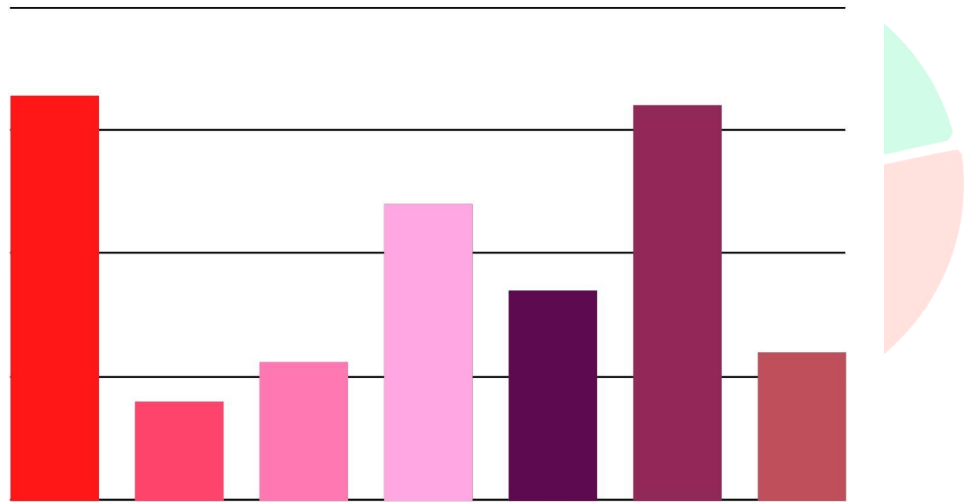
2 Steve Works just opened a French restaurant near Cambridge University. He plans on having an opening night celebration in his store. He then planned to purchase the following things: 24 party poppers, 9 disco lights, and 23 bottles of champagne. 210 chairs, 8 large tarpaulins, and half of a cheese wheel. Whilst shopping for the items, he came across four different shops with varied prices for each item.

ITEM	SHOP Q	SHOP R	SHOP S	SHOP T
Party Popper	\$21	\$20	\$17	\$19
Disco Light	\$93	\$64	\$82	\$102
Bottle of Champagne	\$5	\$12	\$7	\$15
Chairs	\$2.5	\$3.5	\$6	\$4
Large Tarpaulin	\$12	\$10	\$13	\$14.5
Cheese Wheel (whole)	\$20	\$24	\$30	\$28

What is the difference between the priciest and the cheapest shops?

- A. \$530
- B. \$602
- C. \$527
- D. \$599

- 3 Yelena tracked her monthly expenses for her milk tea shop. She made a bar chart representing the total expenses she had for this month.



Which of the following data sets best matches the bar chart representation?

A.

Employee Salaries	Electricity	Water	Space Rent	Maintenance Fees	Milk Tea Ingredients	Miscellaneous
\$820	\$200	\$280	\$600	\$425	\$800	\$300

B.

Employee Salaries	Electricity	Water	Space Rent	Maintenance Fees	Milk Tea Ingredients	Miscellaneous
\$800	\$200	\$280	\$600	\$425	\$820	\$300

C.

Employee Salaries	Electricity	Water	Space Rent	Maintenance Fees	Milk Tea Ingredients	Miscellaneous
\$820	\$280	\$200	\$600	\$425	\$800	\$300

D.

Employee Salaries	Electricity	Water	Space Rent	Maintenance Fees	Milk Tea Ingredients	Miscellaneous
\$800	\$200	\$280	\$425	\$600	\$820	\$300

- 4 The FIFA World Cup 2022 in Germany will commence in the month of November. Leonel plans to watch the games for the entirety of the whole first week, including the 9th, 10th, and 12th day of the month. He visits the portal for the ticket prices and found the following rates:

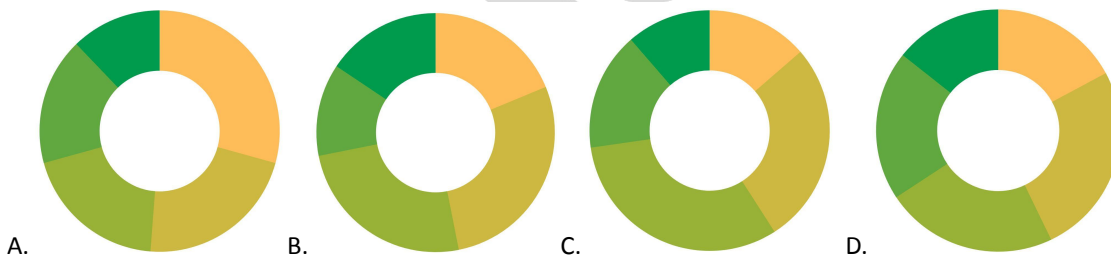
1-day pass	3-day pass (Consecutive)	5-day pass (Consecutive)	7-day pass (Consecutive)
\$21	\$60	\$95	\$130

How much is the cheapest valid combination Leonel could use?

- A. \$190  
 B. \$158  
 C. \$130  
 D. \$193
- 5 During the NBA All-Star Weekend, the basketball league's top shooters competed in a 3-point contest. Within one minute, they had to make as many shots as they could. Below are the results of each contestant.

Name	Curry	Lillard	Towns	Booker	Thompson
Number of Shot Attempts	12	16	13	17	13
Number of Shots Made	6	7	5	10	8

Which of the following pie charts best represents the number of shots missed by the players in the contest?



- 6 Elon recently arrived in Cebu City and wanted to keep up with his physical health. He decided to enrol in a gym for the 19th - 28th of March. He also needs to use a treadmill for his usual exercise routine.

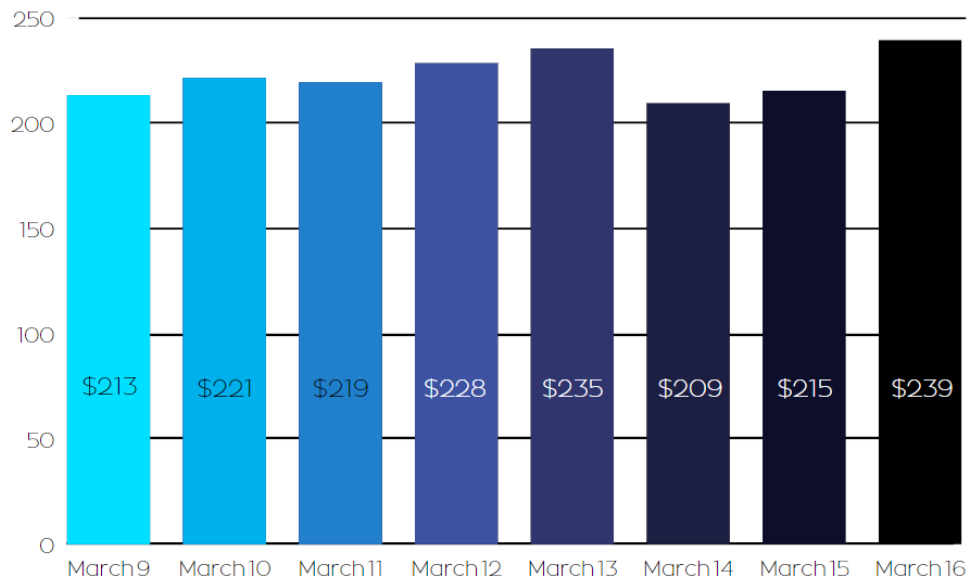
GYM	RATE PER DAY USE	TREADMILL PER DAY	YOGA SESSION PER DAY
Helios Fitness Gym	\$19.50	+\$5.00	+\$7.00
Yokok's Fitness Gym	\$17.00	+\$7.00	+\$9.00
GV Fitness Gym	\$20.50	+\$9.00	+\$8.00
San Pedro Bodybuilders	\$19.50	+\$6.00	+\$8.50

Elon is on a budget and wants to choose one gym in which he could spend the least for his gym routines.

**How much would Elon spend?**

- A. \$206.50
- B. \$216.00
- C. \$229.50
- D. \$240.00

- 7 Arthur created a line chart representation of his food expenses for the second week of March.



**What is the biggest difference in Arthur's food expense bill between two consecutive days?**

- A. \$30
- B. \$26
- C. \$24
- D. \$36



- 8 A group of runners underwent an elimination process for the school varsity track and field roster. Each participant had to finish two laps around the oval field in less than 3 minutes and 10 seconds. Below are the list of the participants and their time record for each lap.

NAME	LAP 1	LAP 2
Frank Kaminsky	1 minute and 23 seconds	1 minute and 41 seconds
Peter Drucker	1 minute and 31 seconds	1 minute and 37 seconds
Jesus Cinco	1 minute and 27 seconds	1 minute and 35 seconds
Rey Salonoy	1 minute and 25 seconds	1 minute and 42 seconds
Christine Bagazin	1 minute and 22 seconds	1 minute and 52 seconds
Lace Vidal	1 minute and 37 seconds	1 minute and 59 seconds
Steven Adams	1 minute and 29 seconds	1 minute and 31 seconds
Victor Oladipo	1 minute and 32 seconds	1 minute and 43 seconds
Sarah Geronimo	1 minute and 34 seconds	1 minute and 49 seconds
Rendel Badayos	1 minute and 19 seconds	1 minute and 50 seconds
Charles Ludwig	1 minute and 24 seconds	1 minute and 29 seconds
Ashley Hanes	1 minute and 39 seconds	1 minute and 32 seconds

How many participants were eliminated?

- A. 9
- B. 7
- C. 5
- D. 3

- 9 Danica runs a merchandising business of food supplies and ingredients. She often looks into the prices of other competitors in order to make the prices of her own store more appealing for customers in the market. She acknowledged that there is a growing trend of people who are making Boba Milk Tea. She then decided to look into the average prices of other food supply and ingredients stores for it.

ITEM	Boba Pack	Milk Mini Pack	Powder Flavour Pack	Plastic Cup
PRICE	\$6.50	\$8.50	\$9.50	\$5.50

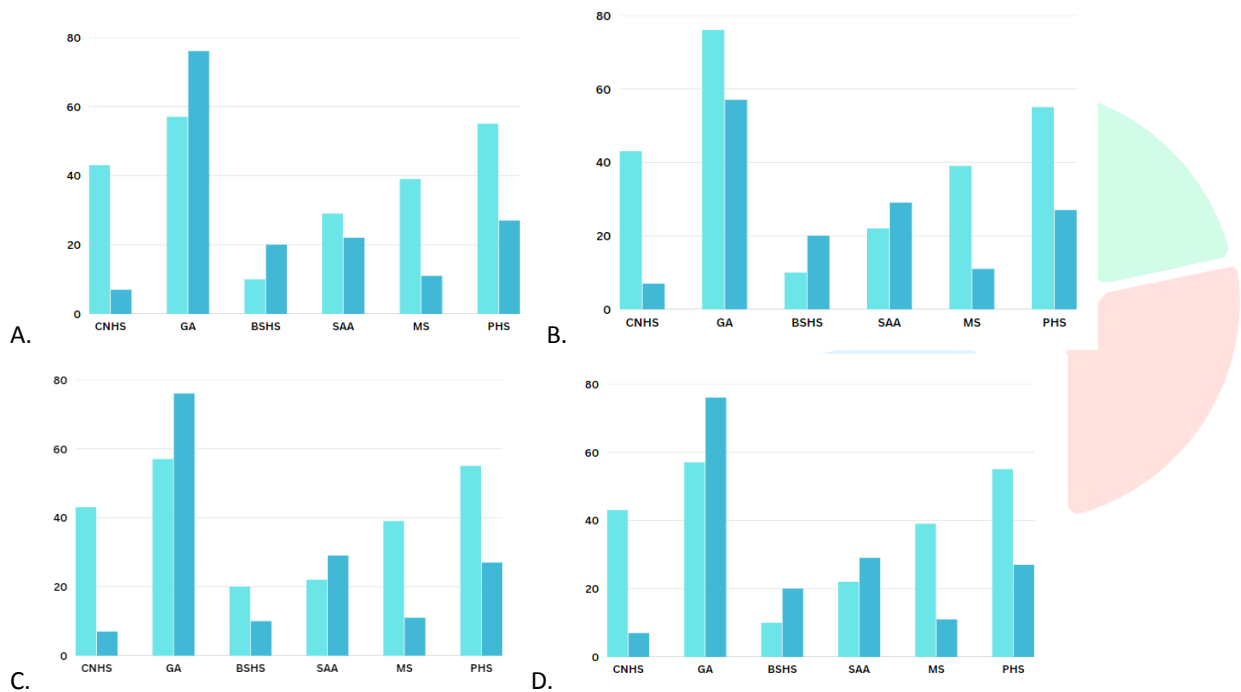
One of each item is needed to make Boba milk tea. Danica exclaims to customers that it is 15% cheaper to buy the ingredients from her store. She plans to sell the plastic cup for \$4.5, Boba pack for \$6, and powder flavour pack for \$8.5

**How much should Danica sell a Milk Mini Pack for?**

- A. \$6.50
  - B. \$7.50
  - C. \$5.50
  - D. \$4.00
- 10 Every year, top college schools, UP and Ateneo, open their school admissions tests for students who wish to enrol in their schools. Various high schools are keeping track of their students who took the admissions tests and tallied the results of their examinees for this year.

SCHOOL	TOTAL NUMBER OF EXAMINEES WHO TOOK BOTH THE ADMISSIONS TESTS	NUMBER OF UP ADMISSIONS PASSERS	NUMBER OF ATENEO ADMISSIONS PASSERS
Clifford National High School	122	79	115
Geronimo Academy	109	52	33
Benson Science High School	89	79	69
St. Augustine Academy	115	93	86
Miranda School	95	56	84
Peterson High School	80	25	53

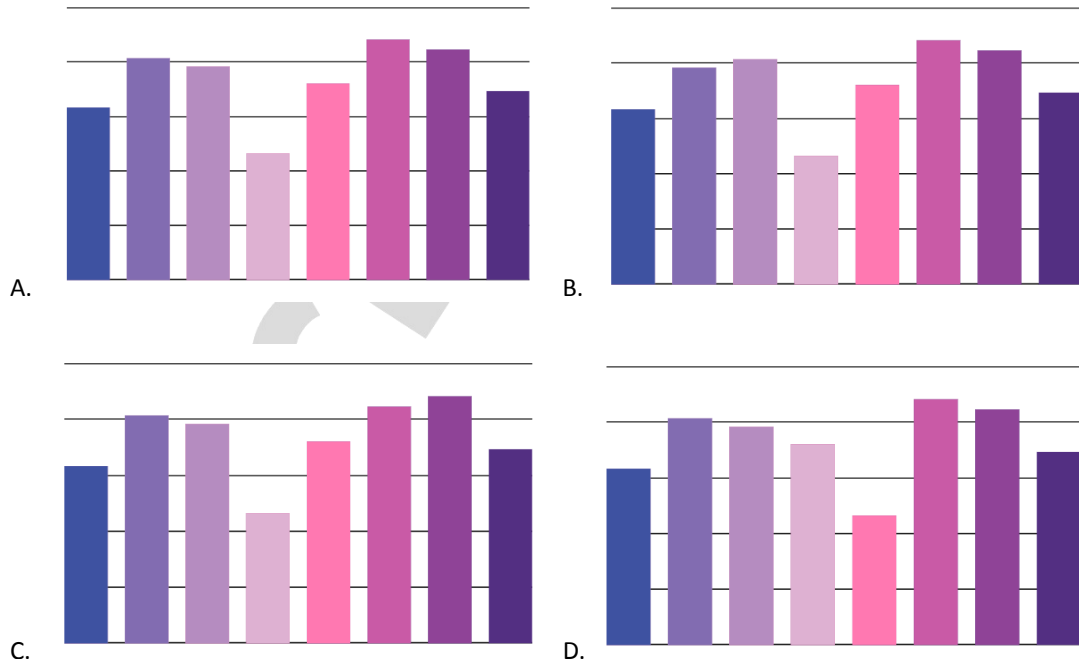
**Which of the following bar charts best represents the total number of students in each school that failed in the UP and Ateneo admissions test?**



11 Paulene had a budget of \$5000 per month in college. As advised by her parents, she kept track of the amount of money she spent each month in line with the monthly budget she has.

Month	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Total Expenses	\$4210	\$3985	\$4023	\$4421	\$4111	\$3899	\$3945	\$4135

Which among the bar graphs best represents Paulene's remaining allowance after each month?

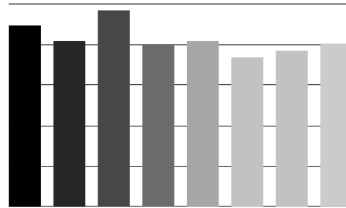


- 12 Kennedy plans to subsidise teenage boys in his community to play basketball. As he tallied the boys' sports gear needs, he had the following number: 34 pairs of socks, 12 headbands, 33 shorts, 41 pairs of shoes, 19 jerseys, and 27 protective gears. As he was shopping for the gear, he stumbled upon multiple stores and had the following rates for each item he needed to purchase:

ITEM	NIKE	ADIDAS	NEW BALANCE	CONVERSE
Sock	\$5.00	\$3.50	\$4.25	\$4.00
Headband	\$3.50	\$4.00	\$2.50	\$3.00
Shorts	\$12.00	\$9.50	\$15.00	\$11.50
Shoes	\$23.00	\$27.00	\$26.50	\$29.00
Jersey	\$19.00	\$17.50	\$18.00	\$21.00
Protective Gear	\$21.00	\$18.00	\$16.50	\$17.25

What is the total difference between the priciest and cheapest options for each item?

- A. \$20.50  
 B. \$21.00  
 C. \$22.50  
 D. \$24.00
- 13 A statistician recorded the number of album sales of some notable Kpop group bands for this year alone.



Which of the following data sets best matches the bar chart representation?

A.

BlackPink	BTS	TWICE	New Jeans	EXO	NCT	Enhypen	ITZY
22353	20421	24213	19942	20419	19214	18412	20122

B.

BlackPink	BTS	TWICE	New Jeans	EXO	NCT	Enhypen	ITZY
22353	20421	24213	20419	19942	18412	19214	20122

C.

BlackPink	BTS	TWICE	New Jeans	EXO	NCT	Enhypen	ITZY
22353	20421	24213	19942	20419	18412	19214	20122

D.

BlackPink	BTS	TWICE	New Jeans	EXO	NCT	Enhypen	ITZY
22353	24213	20421	19942	20419	18412	19214	20122

- 14 The FIBA EuroBasketball Cup features many of the world's most talented basketball players. Shekinah wants to watch its games on courtside on December 16, 17, 18, 19, 21, and the entirety of the last week of the month. She visits the portal for the ticket prices and found the following rates:

1-day pass	3-day pass (Consecutive)	5-day pass (Consecutive)	7-day pass (Consecutive)
\$15.50	\$44.00	\$70.50	\$99.50

How much is the cheapest valid combination Shekinah could use?

- A. \$170.00  
 B. \$174.50  
 C. \$177.00  
 D. \$181.50
- 15 The Greenbar Shooting Range hosted a shoot out competition. Each participant had to hit the targets to count for a made shot. Below are the tallied results of the competitors:

Name	Mike	Camille	Andrew	Mark	Spencer
Total Number of Shots	21	25	19	32	23
Number of Missed Shots	12	15	11	17	12

Which of the following pie charts best represents the number of shots made by the contestants in the contest?



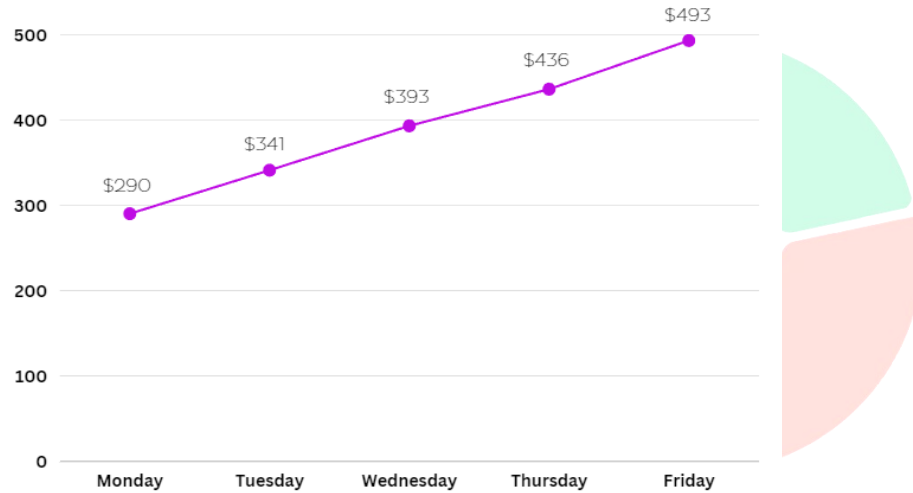
- 16 A famous rock band named Metallica travelled to Australia for their upcoming concert in July. They decided to rent a music studio for them to rehearse their group performance a whole week before the said event. They each had their respective instruments to practise with except for the drummer. They found the following music studios nearby the hotel they stayed in:

STUDIO	RATE PER DAY USE	ELECTRIC GUITAR PER DAY	DRUM SET PER DAY
Manojam Studios	\$27.50	+\$17.00	+\$21.00
Livewyre	\$32.00	+\$13.00	+\$14.00
Rakista Radio	\$29.25	+\$19.00	+\$11.00
Wish 107.5 Studio Recording	\$30.00	+\$14.00	+\$15.00

They want to ensure a smooth band practice, so they prefer to rent the priciest studio. What studio should the band commence their rehearsals with?

- A. Manojam Studios  
 B. Livewyre  
 C. Rakista Radio  
 D. Wish 107.5 Studio Recording

17 John created a tally of his transportation expenses during the weekdays.



Which consecutive days of the week had the most difference in transportation expenses?

- A. Monday to Tuesday
- B. Tuesday to Wednesday
- C. Wednesday to Thursday
- D. Thursday to Friday

18 The Watsons Science Quiz Bowl comprised various intelligent students from across the country. There are three rounds in which participants will try their best to accumulate 31 points or more to proceed to the final rounds of the competition next week. The scores from round 2 are doubled and the scores from round 3 are tripled.

NAME	ROUND 1	ROUND 2	ROUND 3
Marceline Roa	5 pts	4pts	4 pts
Keith Marc	3 pts	7 pts	5 pts
Angel Louie	6 pts	5 pts	2 pts
George Luis	8 pts	4 pts	5 pts
Nel Joseph	9 pts	4 pts	7 pts
Mercy Mendez	5 pts	5 pts	5 pts
Shyllah Talla	6 pts	7 pts	3 pts
Anthony Cinco	2 pts	4 pts	4 pts
Michael Sornillo	4 pts	8 pts	7 pts
Zeelyse Marie	3 pts	7 pts	8 pts
Jared Rey	5 pts	7 pts	4 pts
Jio Miguel	4 pts	5 pts	6 pts

How many participants will not proceed to the final rounds?

- A. 4
- B. 5
- C. 7
- D. 8

- 19 Ed and Eddy run a music shop filled with all instruments and devices needed by musicians. As part of their anniversary sale, they wanted to sell a complete guitar starter pack to the market.

<b>ITEM</b>	Guitar	Amplifier	Chord	Strap	String Set
<b>PRICE</b>	\$160.50	\$214.00	\$28.50	\$10.50	\$31.50

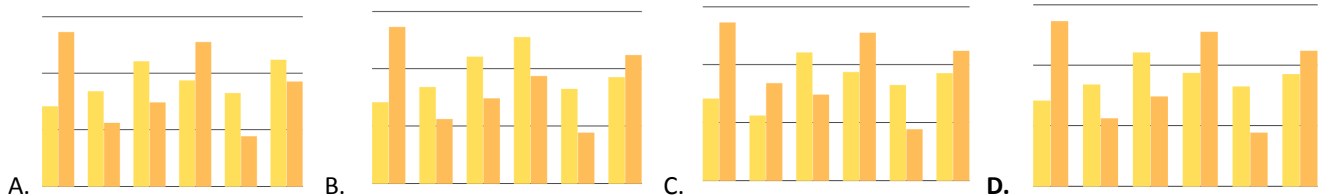
One of each item comprised the guitar starter pack. The duo claims that it is 30% cheaper to buy a guitar starter pack in their store. They plan to sell an amplifier for \$145.5, strap for \$8, guitar for \$125.5, and chord for \$20

How much should they sell the string set for?

- A. \$16.00
  - B. \$14.50
  - C. \$22.00
  - D. \$25.50
- 20 A research group studied and analysed the preferences of students when they get breakfast meals in their cafeteria every month

MONTH	TOTAL NUMBER STUDENTS IN THE CANTEEN EVERY MORNING	NUMBER OF STUDENTS WHO EAT FRIED CHICKEN	NUMBER OF STUDENTS WHO EAT FISH FILLET
January	1,235	890	554
February	1,213	793	932
March	1,302	750	931
April	1,289	821	642
May	1,333	921	1,111
June	1,201	738	642

Which of the following bar charts best represents the total number of students in each month that do not eat Fried Chicken and Fish Fillet for breakfast?



- 21 Ruby wants to give her garden a makeover, which is why she wants to buy some gardening supplies tomorrow. Ruby needs the following materials: 1 pair of gloves, 1 watering can, 1 pair of boots, 20 flower pots, 2 garden trowels, and a rake. There are four shops that offer the products that she wants to buy. The shops and prices are shown in the table below.

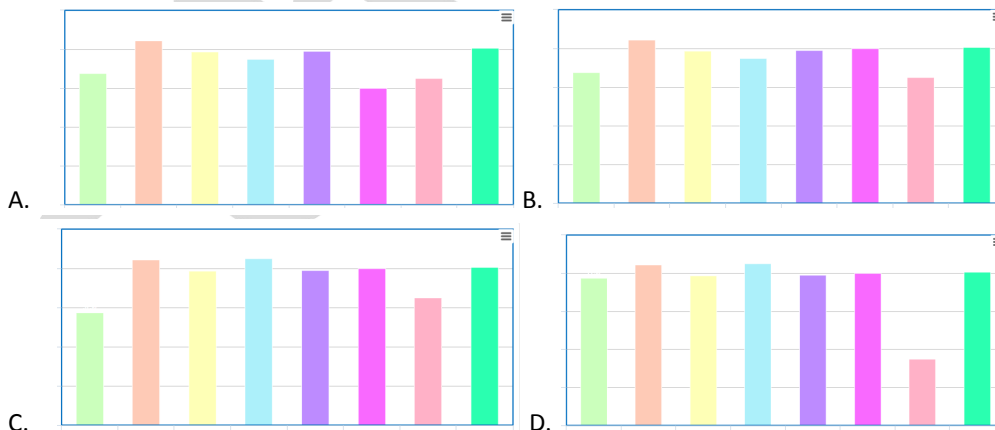
ITEM	SHOP A	SHOP B	SHOP C	SHOP D
Gloves	\$14	\$12	\$13	\$14
Watering Can	\$5	\$7	\$7	\$6
Boots	\$28	\$29	\$24	\$26
High Quality Flower Pot (each)	\$4	\$7	\$8	\$6
Garden Trowel (each)	\$4	\$3	\$3	\$5
Rake	\$8	\$7	\$8	\$9

If Ruby goes for the cheapest option, how much would she have to pay?

- A. \$143  
 B. \$185  
 C. \$201  
 D. \$218
- 22 Jasmine owns a cafe in front of Statefields School Inc. She created a bar chart representation of her monthly earnings for the past 8 months. Her monthly earnings for the past 8 months are shown in the table below.

Month	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8
Earning	\$6750	\$8430	\$7880	\$7500	\$7900	\$5995	\$6500	\$8050

Which of the following bar charts best represents the data above?





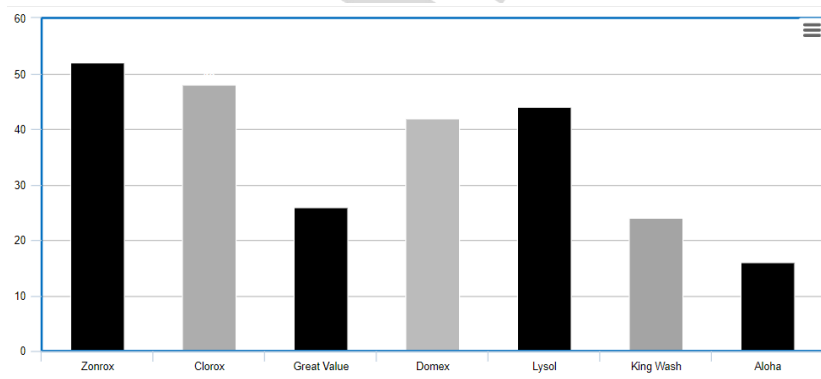
- 23 Chris and his friends will go to the biggest fair in their city. He wants to play in 8 different booths. Three booths require 5 tokens each, 3 booths require 7 tokens each, and the other two booths require 8 tokens each. His friend, Zac, promised to give him 9 tokens once they get inside the fair. The prizes of the tokens are shown below.

Package	Number of Tokens	Price
Package 1	3	\$6
Package 2	5	\$9
Package 3	10	\$15

Chris only wants to buy the exact number of tokens he needs.

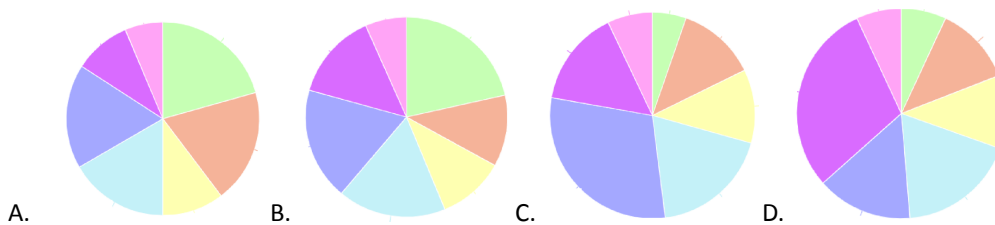
How much would Chris have to pay for all his tokens if he chose the cheapest combination?

- A. \$42
  - B. \$48
  - C. \$66
  - D. \$54
- 24 Wendy works as a cashier in a supermarket. She kept a tally of the number of people who bought the different brands of cleaning bleach since she wanted to know which bleach was the most popular. The results are represented in a bar chart.



The supermarket manager heard about what she did and asked if she could also make a pie chart representation.

Which of the following pie charts best matches the data in the bar chart?



- 25 Since school would be ending in a few weeks, Krielle and her mom would travel to Singapore. They will be staying in Singapore from October 5 to October 16, 2022. They need to book a hotel where they can stay while they are in Singapore. They need a hotel that offers breakfast, a stable internet connection, and a small jacuzzi. They could choose from the following hotels:

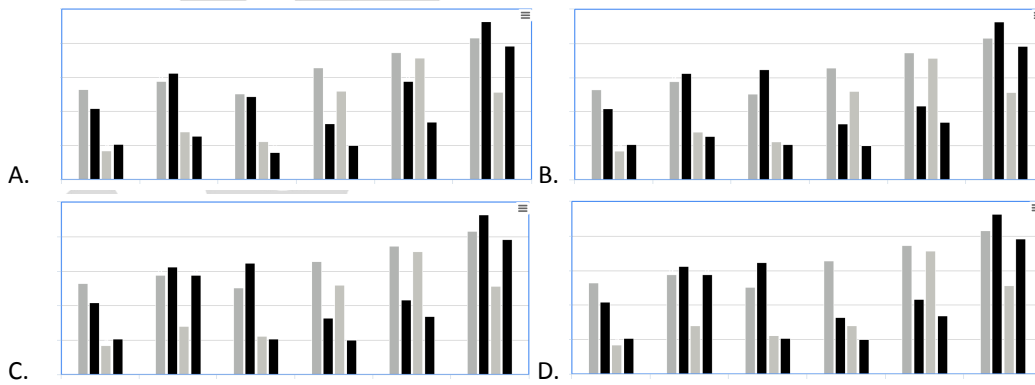
HOTEL	RATE PER NIGHT	BREAKFAST	STABLE INTERNET	SMALL JACUZZI
YOTEL SG	\$230	+\$25	+\$20	+\$20
NAUMI HOTEL	\$262	+\$12	+\$12	+\$8
THE FULLERTON	\$323	+\$5	+\$8	+\$5
MARINA BAY SANDS	\$482	+\$0	+\$0	+\$0

If Krielle would go for the most expensive option, how much would she have to pay?

- A. \$3540  
 B. \$4092  
 C. \$5784  
 D. \$6032
- 26 Jaycee is a CCTV street operator, and he monitors the CCTV on 8th Avenue. One day, he counted the number of cars per colour that passed by 8th avenue. The results are shown below.

	1-2 PM	2-3 PM	3-4 PM	4-5 PM	5-6 PM	6-7 PM
WHITE	66	72	63	82	93	104
BLACK	52	78	61	41	72	116
RED	21	35	28	65	89	64
SILVER	26	32	20	25	42	98

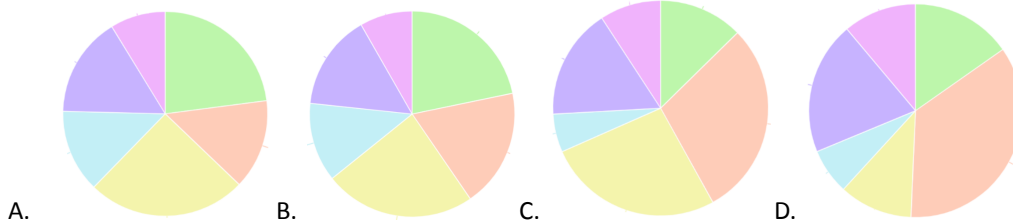
Which of the following bar charts best represents the data in the table?



- 27 Michelle sells chocolate bars inside Statefields School Inc. She decided to make a tally of the number of chocolates sold per day depending on the brand. The results are shown in the table.

Brand	Snickers	Cadbury	Kitkat	Mars	Twix	Bounty
Value	42	36	46	24	29	16

Which of the following pie charts best represents the data in the table?



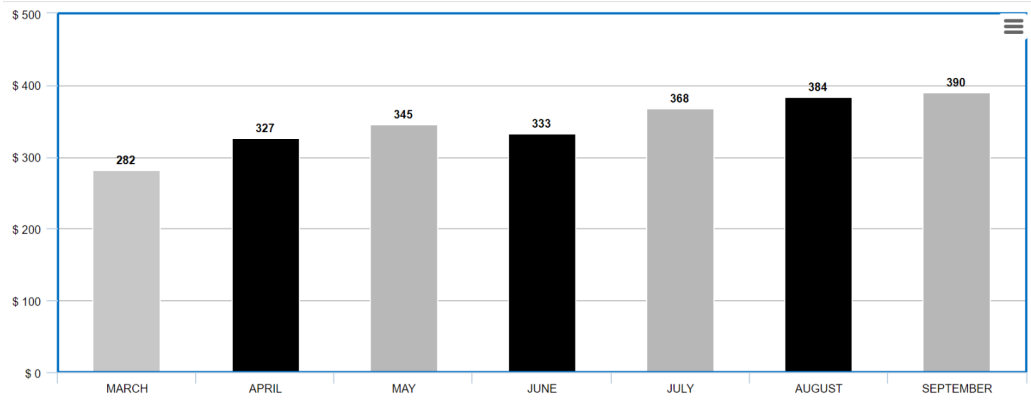
- 28 Ken will be adopting a dog from the shelter. Before he picks up the dog, he needs to buy the other dog essentials that he does not have at home. He needs the following: 2 feeding bowls, 1 dog leash, 1 bottle of dog shampoo, and 10 sheets of potty pad. There are four shops where he could get all the items.

ITEM	SHOP A	SHOP B	SHOP C	SHOP D
Feeding Bowl	\$10	\$12	\$11	\$10
Dog Leash	\$8	\$7	\$9	\$8
Dog Shampoo	\$14	\$16	\$16	\$15
Potty Pad (10's pack)	\$5	\$6	\$5	\$8

In which shop should Ken buy if he wants to spend the least money?

- A. Shop A
- B. Shop B
- C. Shop C
- D. Shop D

29 Brittany created a line chart representation of her electricity bills for the past 7 months.



Which consecutive months had the most difference in her electricity bills?

- A. March and April
- B. April and May
- C. May and June
- D. June and July
- E. July and August

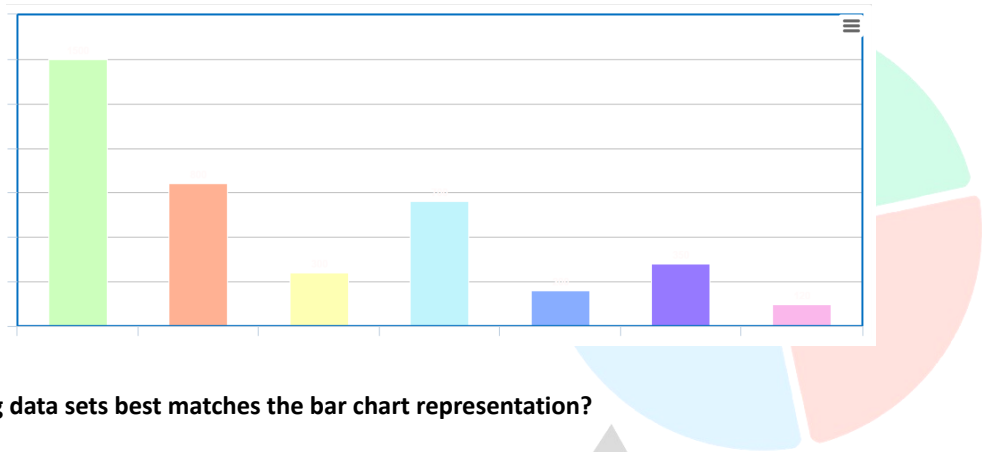
30 The biggest bazaar would take place in the World Trade Centre in Australia for the whole month of October. Jennie wants to go on October 8-10 and 16-24, but tickets need to be purchased online first. The prices of the tickets are as follows:

1-day pass	2-day pass	3-day pass	5-day pass
\$12	\$24	\$35	\$50

How much is the most valid combination Jennie could use?

- A. \$119
- B. \$126
- C. \$130
- D. \$132

31 Marco made a bar chart representation of his monthly expenses. This month's representation is shown below.



Which of the following data sets best matches the bar chart representation?

A.

House Rent	Car Loan	Gas	Groceries	Take-Out	Water and Electricity	Others
\$1000	\$800	\$300	\$650	\$200	\$350	\$120

B.

House Rent	Car Loan	Gas	Groceries	Take-Out	Water and Electricity	Others
\$1500	\$900	\$300	\$700	\$200	\$850	\$120

C.

House Rent	Car Loan	Gas	Groceries	Take-Out	Water and Electricity	Others
\$1500	\$800	\$300	\$700	\$200	\$350	\$520

D.

House Rent	Car Loan	Gas	Groceries	Take-Out	Water and Electricity	Others
\$1500	\$800	\$300	\$700	\$200	\$350	\$120

- 32 Jerome is going to Milan on October 16-28, 2022 for a business trip. He will arrive in Milan at 7:45 AM and will leave in the afternoon of the 28th. He needs a hotel that has a landline and a stable internet connection. There are four hotels where he can choose from and the additional rates for the landline and internet connection are charged per day.

HOTEL	RATE PER DAY	LANDLINE	INTERNET
Cosmo Hotel	\$232	+\$12	+\$10
Hilton Garden	\$247	+\$10	+\$8
Spice Hotel	\$268	+\$8	+\$5
Ibis Milano	\$275	+\$0	+\$0

Jerome wants to stay at the most expensive hotel to ensure he gets the best service.

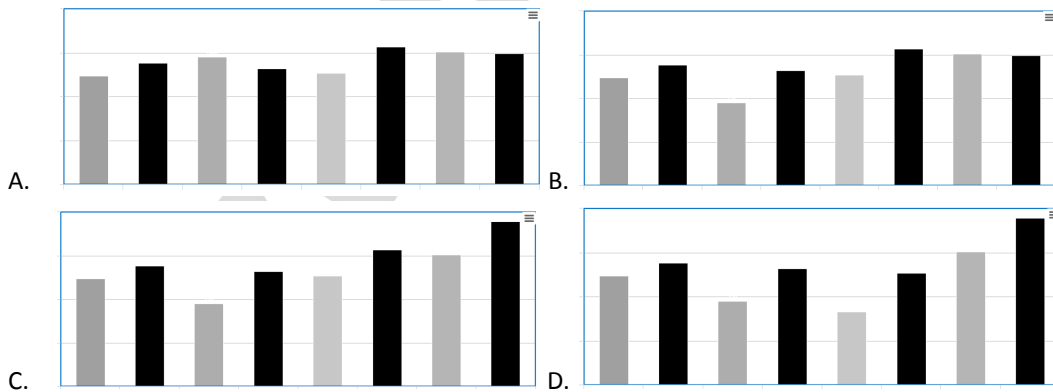
How much would Jerome have to pay in total?

- A. \$3389
  - B. \$3582
  - C. \$3653
  - D. \$3849
- 33 Franco owns a meat shop and shown below are his weekly earnings for the past 8 weeks.

Week	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Earning	\$1235	\$1385	\$1450	\$1320	\$1270	\$1570	\$1510	\$1490

Franco created a bar chart representation of his earnings.

Which of the following bar charts best represents the data in the table?

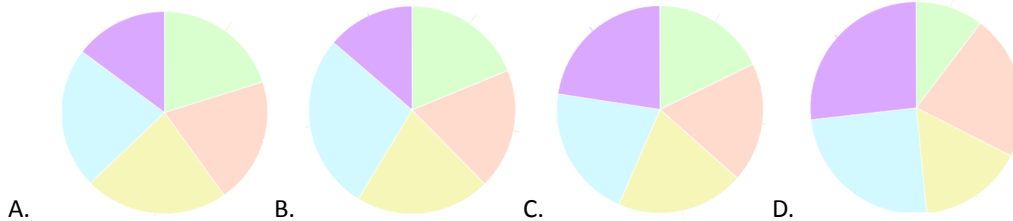


- 34 A Ferris wheel and 16 other booths were put up during Statefield School Inc.'s foundation day. Shown in the table are the number of enrollees per year level, the number of students who were present during foundation day, and the number of students who rode the Ferris wheel.

YEAR LEVEL	TOTAL ENROLLEES	TOTAL ATTENDEES	NUMBER OF STUDENTS WHO RODE THE FERRIS WHEEL
YEAR 2	175	142	101
YEAR 3	182	168	127
YEAR 4	169	132	86
YEAR 5	185	154	94
YEAR 6	164	146	116

The principal wanted to see a pie chart representation of the number of students per year level who were at the school but did not ride the Ferris wheel.

Which of the following pie charts best represents the number of students per year level who did not ride the Ferris wheel?

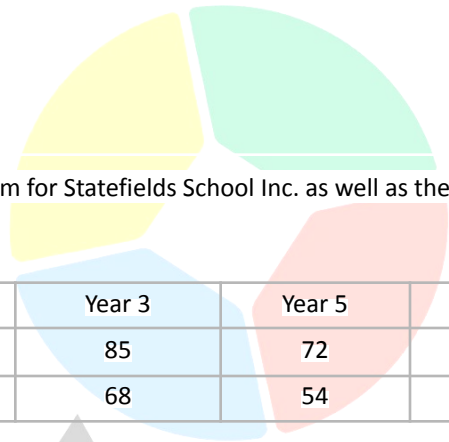


- 35 There are 15 people who will fly to Canada this October. But with the new rules at the airport, only people who have received their booster shot at least one week before their flying date would be allowed to board the aircraft. Listed below are the names of the people and their information.

NAME	BOOSTER DATE	DATE OF FLIGHT
Vanessa Barbers	September 12, 2022	October 5, 2022
Martin Lee	September 30, 2022	October 17, 2022
Linda Scott	October 3, 2022	October 5, 2022
Marie Rocco	October 1, 2022	October 7, 2022
Tim Stanford	September 16, 2022	October 4, 2022
Joel Evans	October 12, 2022	October 29, 2022
Lloyd Martin	October 16, 2022	October 27, 2022
Hilda Bieber	September 30, 2022	October 16, 2022
Greyson Chance	September 26, 2022	October 12, 2022
Minatozaki Sana	October 21, 2022	October 23, 2022
Momo Hirai	October 6, 2022	October 18, 2022
Park Jimin	September 24, 2022	October 5, 2022
Lalisa Manobal	September 18, 2022	October 17, 2022
John Ramsay	September 30, 2022	October 3, 2022
Caroline Hernandez	October 9, 2022	October 28, 2022

How many people are not qualified to board the aircraft?

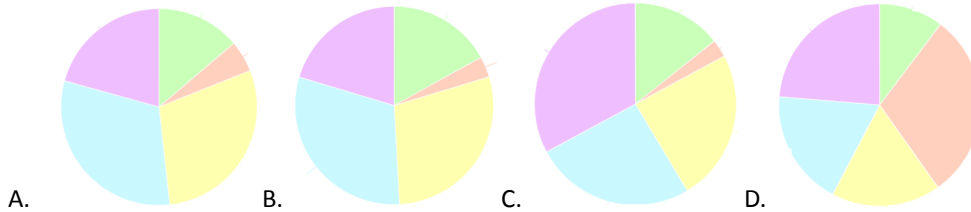
- A. 2 people
- B. 3 people
- C. 4 people
- D. 6 people



36 Shown in the table are the number of people who took the entrance exam for Statefields School Inc. as well as the number of students who passed the exam.

Year Level	Kinder	Year 1	Year 3	Year 5	Year 8
<b>Number of takers</b>	110	128	85	72	125
<b>Number of passed students</b>	102	125	68	54	113

Which of the following pie charts best represents the total number of students who failed the entrance exam?



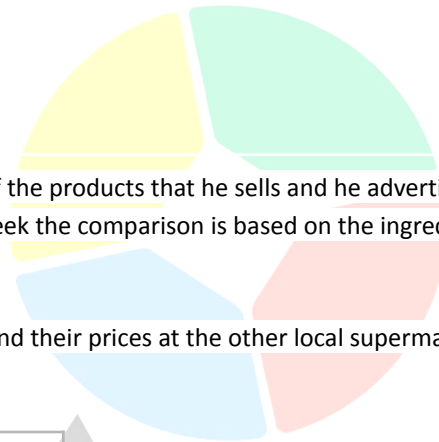
37 Statefields School Inc. would only be accepting incoming year 1 students if they are 6 years of age and above on or before August 21, 2022. Listed in the table are the names of the students and their birth dates.

NAME	BIRTH DATE
Xhia Fujimoto	March 8, 2016
Jewel Dane	October 27, 2016
Macy Tan	December 17, 2015
Larry Mont	May 21, 2016
Michael Evans	February 8, 2016
Hailey Thomas	March 14, 2016
Mikee Stark	May 31, 2016
Fionna Grant	September 8, 2016
Sammy Hall	November 22, 2015
Amanda Wishart	October 12, 2015
Vinia Wordsworth	January 3, 2016
James Muller	January 28, 2016
Jodi Drenner	April 18, 2016
Whitney Heygan	February 22, 2017
Ramna Saroop	May 28, 2017



**How many students will be accepted as Year 1 students?**

- A. 5 students
- B. 8 students
- C. 9 students
- D. 11 students



**38** Gabby owns a supermarket. Each week he has a special offer on some of the products that he sells and he advertises these offers by comparing his prices with one of the other local shops. Each week the comparison is based on the ingredients for a certain dish.

This week the comparison will be based on carbonara. The ingredients and their prices at the other local supermarket are shown in the table below.

Item	Local Shop Charges
Pasta	\$4.50
Cream	\$3.25
Pack of Bacon	\$10.25

One of each item is needed to make carbonara. Gabby wants to advertise that it is 20% cheaper to buy the ingredients from his supermarket. He decided that he would sell the pasta for \$3.60 and the pack of bacon for \$8.

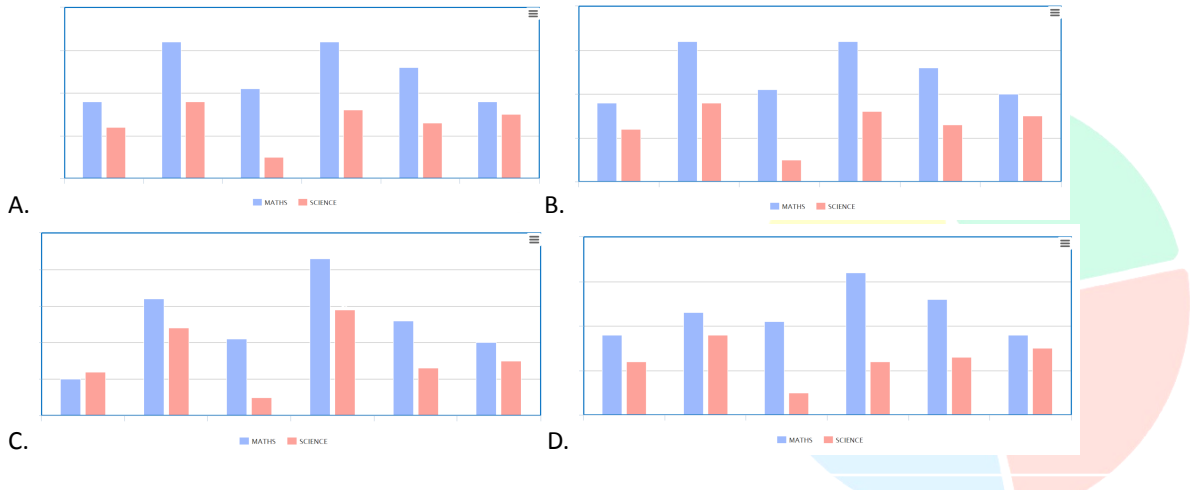
**At what price should he sell the cream?**

- A. \$1.50
- B. \$2.80
- C. \$2.95
- D. \$3.25

**39** During their second day of examination, the students from year 1 to year 6 took the exams on Maths and Science. Shown in the table are the total number of students per year level and the number of students who passed the exams.

YEAR LEVEL	TOTAL NUMBER OF STUDENTS	NUMBER OF PASSERS IN MATHS	NUMBER OF PASSERS IN SCIENCE
1	72	54	60
2	86	63	68
3	70	49	65
4	84	52	72
5	95	69	82
6	90	72	75

**Which of the following bar charts best represents the total number of students per year level who failed in Maths and Science exams?**



40 Glenda wants to buy some items for her room renovation. He needs 1 small sofa, 1 centre table, 2 flower vases, 2 LED lights, and 1 big vanity mirror. There are four shops where she can choose from.

ITEM	SHOP A	SHOP B	SHOP C	SHOP D
SMALL SOFA	\$175	\$183	\$179	\$186
CENTRE TABLE	\$68	\$62	\$74	\$70
VASE	\$16	\$14	\$18	\$16
LED LIGHTS	\$14	\$12	\$13	\$17
VANITY MIRROR	\$185	\$192	\$189	\$179

If her mother gave her \$550 and she goes for the cheapest option, how much money would she have left?

- A. \$55
- B. \$58
- C. \$62
- D. \$69