NO.	QUESTION

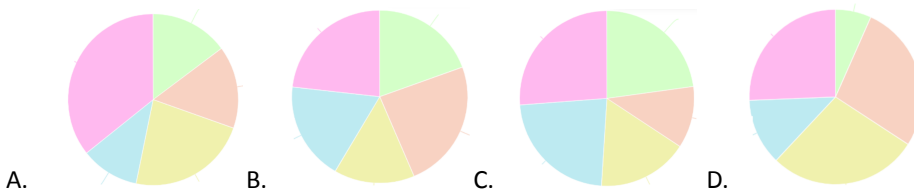**1** The University of Australia has five degree programs. In each program, there are 500 graduating students. John, a member of the school staff, keeps track of the number of students who have already claimed their togas for graduation. Shown in the table is the number of students per program who have already claimed their togas.

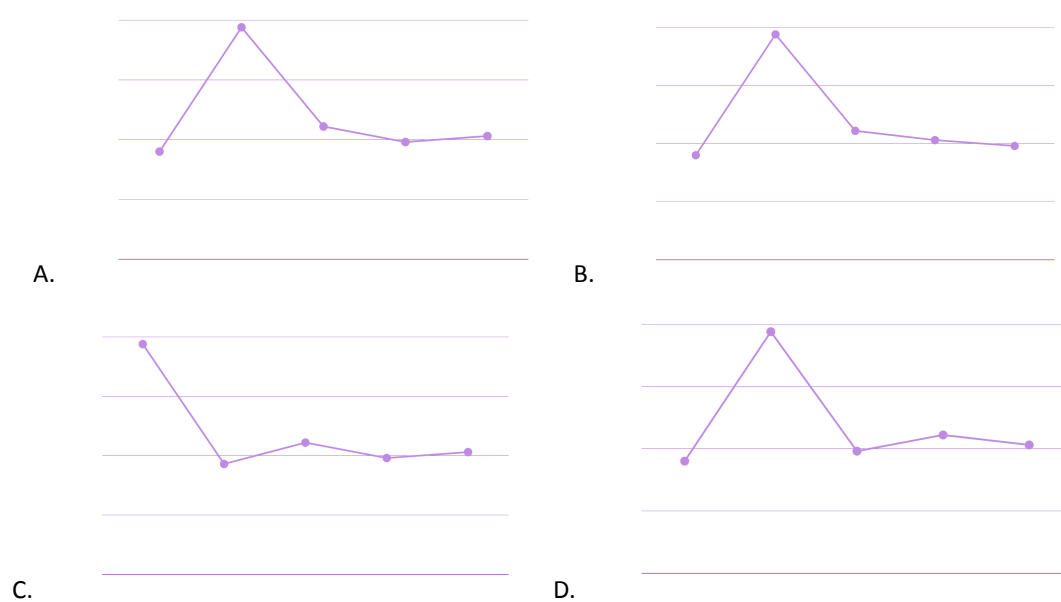| Program	Business	Engineering	Architecture	Medicine	Computer
Value	384	477	293	362	458

Which of the following pie charts best represents the data in the table?
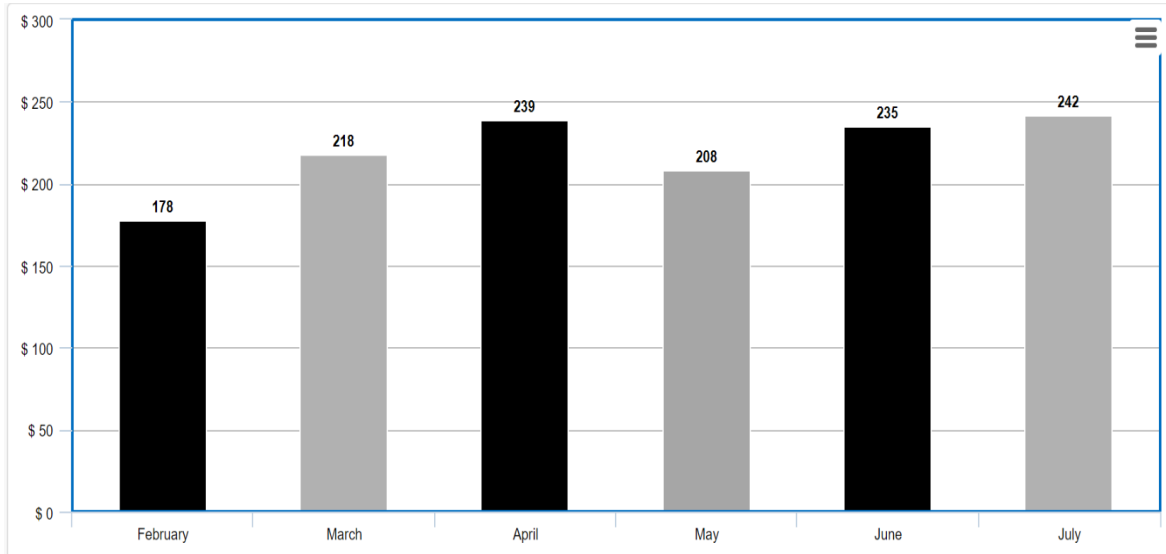
A. B. C. D.

2 Christine, a bakeshop owner, was keeping track of the customers that purchased her products. She has been keeping track of the number of her customers during weekdays based on their orders. The results are tallied below.

Order	Monday	Tuesday	Wednesday	Thursday	Friday
Oreo Cheesecake	11	60	9	18	24
Red Velvet	20	40	55	35	35
Carrot Cake	25	44	34	32	33
Vanilla Cake	34	50	13	13	11

Which of the following line charts best represents the total number of people per monthly range?

A.

B.

C.

D.

3   The bar chart shows Brandon's electricity bills for the past 6 months.

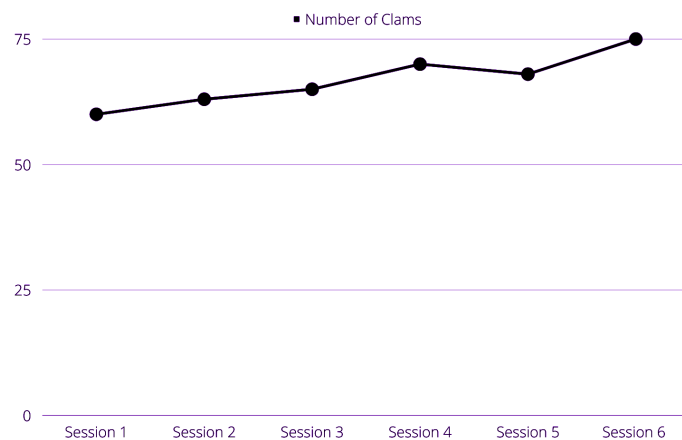**Which consecutive months had the biggest difference in Brandon's electricity bills?**

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

4   Nemo tracked the number of clams he collects every deep ocean diving session he has regularly with his friends. He kept his data on a table and a bar chart.

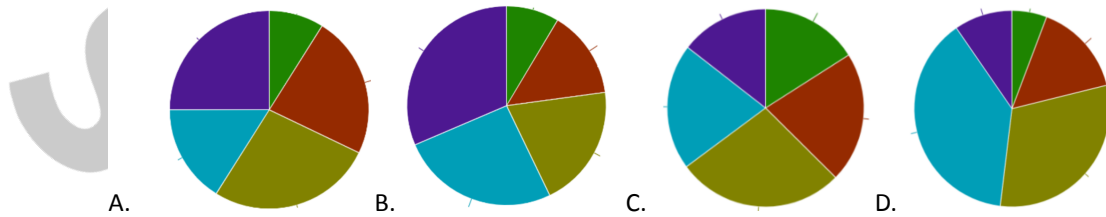| Session 1	Session 2	Session 3	Session 4	Session 5	Session 6
60	63	65	70	68	70

Does the line graph accurately represent the number of clams collected by Nemo as provided by the data in the table?

    A.   Yes
    B.   No
    C.   Maybe
    D.   There is insufficient data

5 Allan works at an appliance store in Ayala Mall. He wanted to know the best-selling television brand in their store, which is why he kept a tally of the number of people who bought from each brand during the month of September. The results are shown in the table.
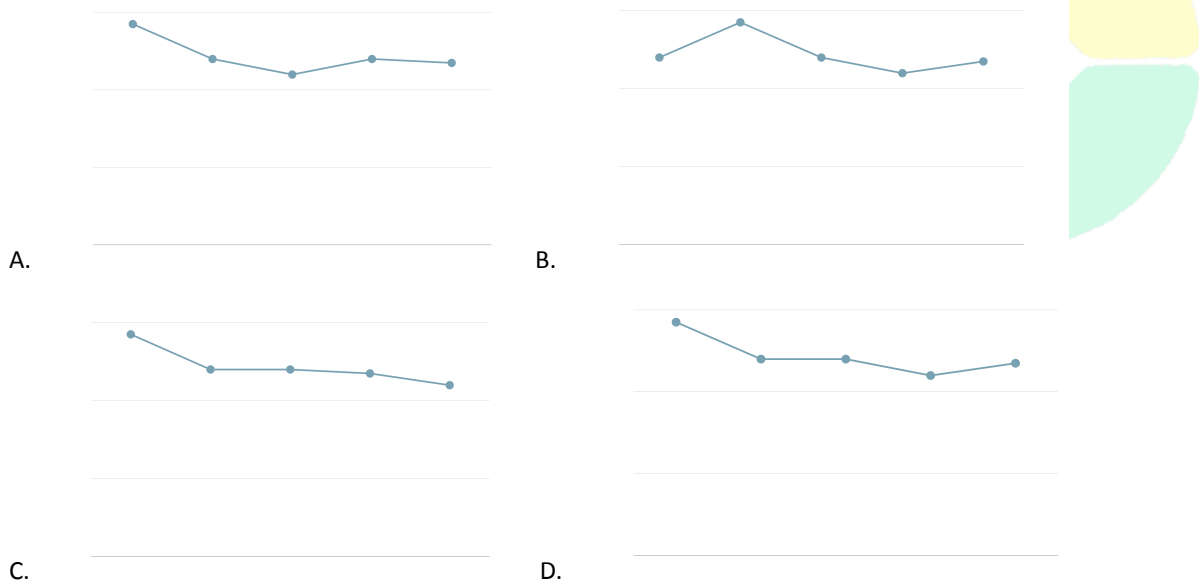
Brand	Sony	Samsung	LG	Panasonic	TCL
Value	21	28	36	27	19

Which of the following pie charts best represents the data in the table if the purple portion represents TCL?

A.   B.   C.   D.

6 Veronica was working as a fitness coach at a local gym around their community. She has been keeping track of the number of people that had a gym membership every month based on their age range. The results are tallied below.

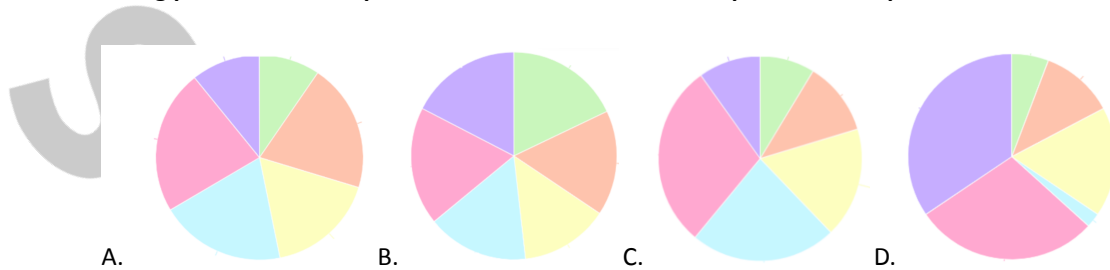| Age Range	May	June	July	August	September
18-24	15	6	12	19	9
25-30	25	8	10	7	15
31-40	10	20	11	8	12
41 Above	7	14	15	10	11

Which of the following line charts best represents the total number of people per monthly range?
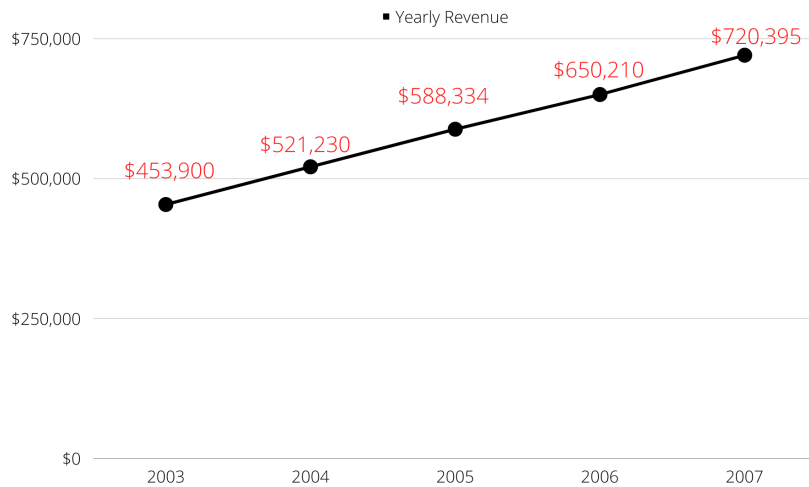
A.

B.

C.

D.

7   There are a total of 234 Year 4 students in Statefields School Inc. They are divided equally into 6 classes. Ms. Kryssten, the science teacher, created a tally of the number of students who failed their science class. The results are shown in the table below.

Class	Class A	Class B	Class C	Class D	Class E	Class F
Value	4	7	12	8	3	5

Which of the following pie charts best represents the number of students per class who passed their science class?

A.   B.   C.   D.

8   Gerah was looking into the archives of her company's past revenue records from 2003 to 2007. She saw this data in a bar chart.

Yearly Revenue

$750,000 — $720,395
$650,210
$588,334
$521,230
$453,900
$500,000
$250,000
$0
    2003   2004   2005   2006   2007

Which of the following consecutive years had the smallest difference in the company's yearly revenue?
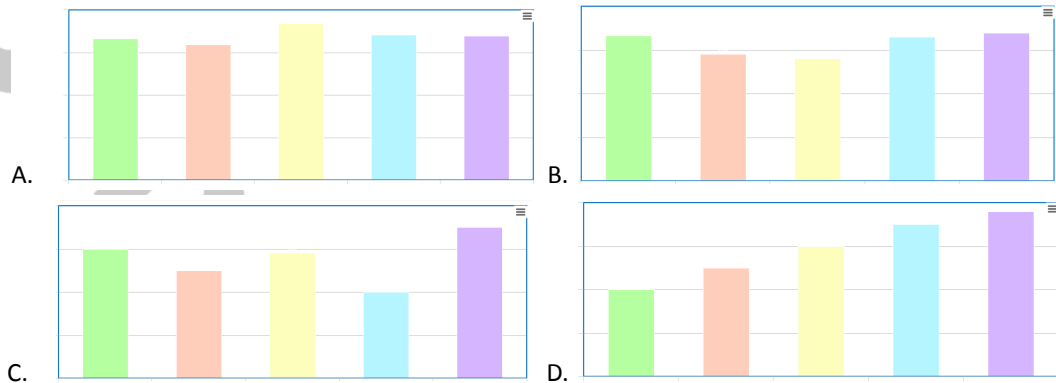
    A.   2004 and 2003
    B.   2005 and 2004
    C.   2006 and 2005
    D.   2007 and 2006

9   Allie is a farm owner. She keeps track of the number of egg trays that are being delivered each day of the week. The table shows the total number of egg trays delivered each day.

Day	Monday	Tuesday	Wednesday	Thursday	Friday
Value	332	319	368	342	339

Her husband wants to see a bar chart representation of the data.

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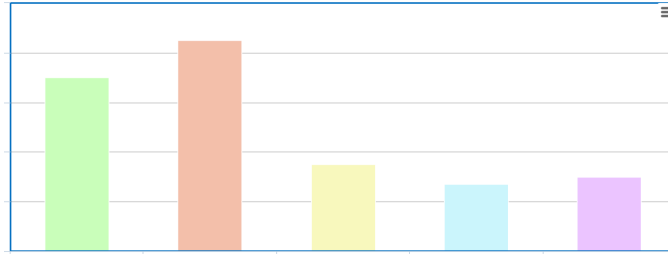
A.

B.

C.

D.

10   Hades needs to buy 12 bottles of soda for his water rocket science project. There are four shops that offer the product he wants. The shops, prices, and other special offers are shown in the table.

SHOP	STANDARD PRICE	SPECIAL OFFERS
Art Needs Co.	$5	Buy 3 Get 1
Everything Science	$4	10% off on total price
Props Centre	$3	No Special Offer
Physics Store	$4	5% off on total price

What is the difference between the most expensive and cheapest store?

A. $9.60
B. $2.40
C. $9.00
D. $1.80

11 The bar chart shows the representation of Ellie's expenses for the month of August.

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

A.

Expenses	Mortgage	Groceries	Gas Allowance	Electricity Bill	Clothes
Value	$400	$850	$420	$270	$800

B.

Expenses	Mortgage	Groceries	Gas Allowance	Electricity Bill	Clothes
Value	$250	$500	$350	$150	$300

C.

Expenses	Mortgage	Groceries	Gas Allowance	Electricity Bill	Clothes
Value	$900	$850	$700	$520	$300

D.

Expenses	Mortgage	Groceries	Gas Allowance	Electricity Bill	Clothes
Value	$700	$850	$350	$270	$300

12 Shane is going to the Country Fair with her friends. In order to play in the different booths, she must have tokens.

Promo 1 costs $10 and includes 10 tokens.
Promo 2 costs $5 and includes 5 tokens.
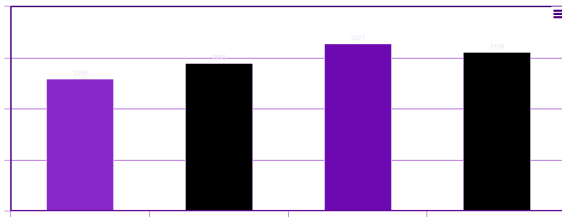Promo 3 costs $3 and includes 3 tokens.

Each booth at the fair requires a different number of tokens.

Shane is planning to play in 8 different booths. Three booths require 8 tokens each, three other booths require 6 tokens each, and two booths require 5 tokens each. Greyson gave Shane 4 tokens. She wants to spend the least amount of credits that would allow her to play in 8 different booths. Moreover, she also wants to avail the least number of promos.

How much in total should Shane spend?

A. $38
B. $42
C. $48
D. $56

13 Jojo owns a hardware store in the Metro. His earnings in the month of June were represented in a bar chart. Unfortunately, he misplaced the paper where the raw data was written.

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

A.

Week	Week 1	Week 2	Week 3	Week 4
Earnings	$2900	$2312	$2999	$1999

B.

Week	Week 1	Week 2	Week 3	Week 4
Earnings	$2932	$2912	$3100	$3600

C.

Week	Week 1	Week 2	Week 3	Week 4
Earnings	$2589	$2893	$3277	$3109

D.

Week	Week 1	Week 2	Week 3	Week 4
Earnings	$3412	$3100	$3150	$3289

14 Brian owns a grocery store. Every week, he has a special offer on some of the products in his store.
He advertises these offers by comparing his prices with one of the other local grocery stores. Each week, the comparison is based on the ingredients for a certain food dessert.

This week, the comparison will be based on fruit salad. The ingredients and their prices at the other local grocery store are shown in the table below.

ITEM	PRICE OF THE ITEM IN ANOTHER LOCAL GROCERY STORE
Fruit Cocktail	$14.60
Condensed Milk	$2.10
Heavy Cream	$4.30

One of each item is needed to make the dessert. Brian wants to advertise that his items are 20% cheaper in total. He also decided that he will sell the fruit cocktail for $11.50 and the condensed milk for $1.60.
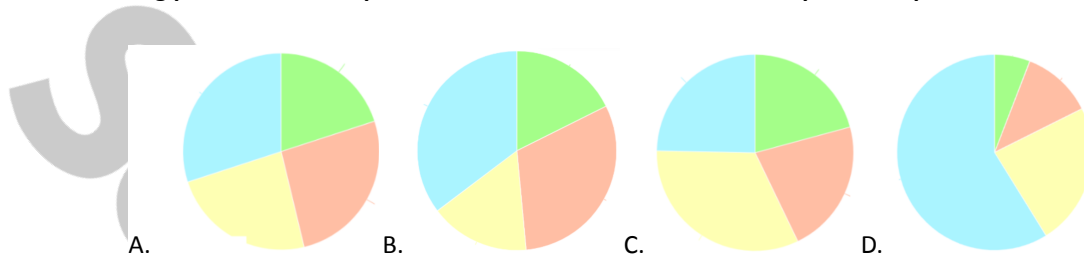
At what price should he sell the heavy cream?

A. $1.30
B. $1.50
C. $2.80
D. $3.70

15 Manny works as a security guard at Statefields School Inc. He keeps a tally of the number of students who are tardy everyday for the whole week. At the end of the week, he creates a pie chart representation to be submitted to the guidance office. The results are shown in the table.

Year	Year 2	Year 3	Year 4	Year 5
Value	16	21	19	24

Which of the following pie charts best represents the data in the table if the red portion represents Year 3?

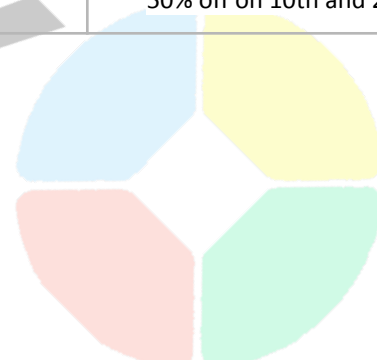A.   B.   C.   D.

16 Brittanie wants to buy 20 flower pots for her garden at home. There are 4 shops that offer the pots she wants. The shops, prices of the post, and other special offers are shown in the table below.

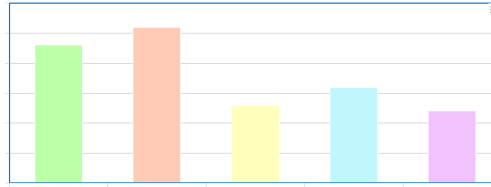| SHOP	STANDARD PRICE	PROMO
SHOP A	$6	10% off on total price
SHOP B	$9	Buy 1 Get 1 Promo
SHOP C	$4	No Promo
SHOP D	$5	50% off on 10th and 20th item

Brittanie is on a budget and wants to spend as little as possible.

In which shop should Brittanie buy her flower pots?

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

17   Maya works at an electronics store. For the month of December, they offered a 15% discount on most of their items. She created a bar chart representation of the number of people who bought some of the expensive items in their store during the month of December. The chart is shown below.

The store owner asked Maya to give him the raw data so he could compute the total earnings from the sales.

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

A.

Item	Laptop	Cellphone	iPad	Hard Drive	Printer
Value	26	18	26	32	24

B.

Item	Laptop	Cellphone	iPad	Hard Drive	Printer
Value	66	52	26	69	72

C.

Item	Laptop	Cellphone	iPad	Hard Drive	Printer
Value	48	52	35	32	24

D.

Item	Laptop	Cellphone	iPad	Hard Drive	Printer
Value	46	52	26	32	24

18   Mindy works at Shangri-La Sydney. She manages the bookings and booking cancellations. A reservation can only be cancelled 3 or more days before the reserved date.
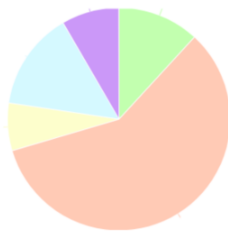
Shown in the table are the names of the people, reserved date, and date of cancellation.

NAME OF CUSTOMER	DATE OF CANCELLATION	RESERVED DATE
Michelle Lopez	August 2, 2022	August 16, 2022
Michael Anderson	August 10, 2022	August 12, 2022
Kristoff Stanford	August 19, 2022	August 21, 2022
Kim Lee	September 3, 2022	September 14, 2022
Sana Minatozaki	September 14, 2022	September 28, 2022
Momo Hirai	September 18, 2022	September 19, 2022

 How many people would be approved for a booking cancellation?

    A. 2 people
    B. 3 people
    C. 4 people
    D. 5 people

19 Alisa and her mom went to the mall to buy some school supplies. When they got home, Alisa got the receipt from the paper bag and made a pie chart representation of the cost of the items. The pie chart is shown below.

When her mom saw this, she asked for the receipt back, but unfortunately, Alisa misplaced it after creating the pie chart.

Which of the following data sets best matches the partition in the pie chart if the purple portion represents Bond Paper?

A.

Item	Notebooks	Backpack	Ballpens	Markers	Bond Paper
Price	$56	$135	$28	$29	$17

B.

Item	Notebooks	Backpack	Ballpens	Markers	Bond Paper
Price	$19	$119	$45	$129	$8

C.

Item	Notebooks	Backpack	Ballpens	Markers	Bond Paper
Price	$24	$135	$14	$29	$30

D.

Item	Notebooks	Backpack	Ballpens	Markers	Bond Paper
Price	$24	$119	$14	$29	$17

20 Due to COVID-19, airports are changing their rules. People would only be allowed to travel if they have been vaccinated at least 1 week before their flight date. People's details are shown in the table below.

NAME	DATE OF VACCINATION	FLIGHT DATE
KRIELLE	January 3, 2021	January 18, 2021
PRAYAH	January 16, 2021	January 29, 2021
ZARIF	February 18, 2021	February 21, 2021
MISHCA	February 26, 2021	February 28, 2021
REI	March 3, 2021	March 18, 2021
ZARAH	March 14, 2021	March 20, 2021
JOHN	March 23, 2021	March 31, 2021

How many people would be allowed to travel?

A. 4
B. 5
C. 6
D. 7