

*Ministry of Education, Human Resource Planning,
Vocational Training and National Excellence*

Commonwealth of Dominica

Grade 6
National Assessment
May 30, 2025

TIME: 90 Minutes

DO NOT TAKE THIS PAPER OUT OF THE EXAMINATION ROOM

Mathematics

MATHEMATICSINSTRUCTIONSREAD THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING THE TEST.

1. THIS PAPER CONTAINS **SIXTY (60)** ITEMS.
2. YOU HAVE **NINETY (90) MINUTES** TO COMPLETE THIS PAPER.
3. FOR EACH ITEM, SHADE THE LETTER ON THE ANSWER SHEET THAT CORRESPONDS TO THE ANSWER YOU HAVE CHOSEN.
4. USE A PENCIL TO **SHADE** IN THE CORRECT ANSWER.
5. IF YOU ARE UNABLE TO ANSWER A QUESTION, LEAVE IT AND MOVE ON TO THE NEXT QUESTION. YOU WILL RETURN TO IT LATER IF THERE IS AVAILABLE TIME.

EXAMPLE

1. What is the **place value** of the **6** in the number **65 432**?

- A. tens of thousands
- B. thousands
- C. hundreds
- D. ones

The correct answer is **tens of thousands**, letter **A**. On your answer sheet you shade:



B

C

D

If there is a need to change your answer, erase then shade your new answer.

NUMBER CONCEPTS

1. 2,13,47,97 are a set of _____ numbers.
- A. Square
 - B. Composite
 - C. Even
 - D. Prime
2. _____ **hundreds** would represent the **value** of the digit **4** in the number **24 571**.
- A. 4
 - B. 40
 - C. 400
 - D. 4000
3. 309 286 written in **expanded** form is:
- A. $(30 \times 1\,000) + (9 \times 100\,000) + (2 \times 100) + (86 \times 1)$
 - B. $(3 \times 100\,000) + (9 \times 1\,000) + (2 \times 100) + (8 \times 10) + (6 \times 1)$
 - C. $(3 \times 1\,000) + (9 \times 100\,000) + (28 \times 100) + (6 \times 1)$
 - D. $(9 \times 1\,000) + (3 \times 10\,000) + (2 \times 100) + (8 \times 10) + (6 \times 1)$

4. We round off **MAINLY** to
- A. make numbers simpler to use.
 - B. make numbers always bigger.
 - C. always get a whole number.
 - D. make numbers more confusing.
5. Using the distributive property, $4 \times (12+15)$ can be written as
- A. $4 + 27$
 - B. $(12 + 15) \times (4 \times 27)$
 - C. $(4 + 12) \times (4 + 15)$
 - D. $(4 \times 12) + (4 \times 15)$
6. What is the **Highest Common Factor (HCF)** of 18 and 24?
- A. 2
 - B. 3
 - C. 6
 - D. 9
7. What is $28\,501 + 19\,683$?
- A. 2 723
 - B. 8 818
 - C. 37 184
 - D. 48 184

8. What is $225 \div 5$?
- A. 45
 - B. 220
 - C. 230
 - D. 1 125
9. $18 + 2 \times 4 =$
- A. 20
 - B. 24
 - C. 26
 - D. 80
10. Which of the following operations gives a product of 81?
- A. $9 - 9$
 - B. 9×9
 - C. $9 \div 9$
 - D. $9 + 9$
11. What is the quotient of **1596** and **8**?
- A. 190
 - B. 199
 - C. $199 \text{ r } 4$
 - D. 200

12. Which **expression (statement)** is used to find the number that must be added to **2 089** to get the sum of **8 435**?
- A. $8435 \div 2089$
 - B. $8435 - 2089$
 - C. 8435×2089
 - D. $8435 + 2089$
13. Which pair of numbers has a **sum of 15** and a **difference of 1**?
- A. 7 and 8
 - B. 9 and 8
 - C. 10 and 5
 - D. 12 and 3
14. $245 \times 15 =$
- A. 3 575
 - B. 3 625
 - C. 3 675
 - D. 3 725

15. A small aircraft can hold 14 passengers, how many aircrafts are needed to transport 1176 passengers at once?



- A. 84
 B. 1 162
 C. 1 190
 D. 16 464
16. In the 2024 Youth Rally, a total of **14 secondary schools** and **56 primary schools** participated. **Each** secondary school had a group of **30 students**, and **each** primary school had a group of **15 students**. The total number of students who took part in the Youth Rally can be expressed as:



- A. $14 + 56 + 30 + 15$
 B. $(14 \times 56) + (30 \times 15)$
 C. $(15 + 30) \times (14 + 56)$
 D. $(14 \times 30) + (15 \times 56)$

17. A carton of macaroni and cheese has 35 boxes. How many cartons are needed to pack 105 boxes?



- A. 3
 B. 4
 C. 5
 D. 6
18. Sophia puts **\$1 200** into her savings account. After three months, she puts **\$450** into the same account. How much money does she have in her account now?
- A. \$ 450
 B. \$ 750
 C. \$ 1 350
 D. \$ 1 650
19. Sam Brown saved his winnings of **\$ 706, 023** dollars into his account after playing the lotto. He spent **\$ 69,475** to pay off all his bills. How much money does he have **left** in his account?

Roseau Dominica		ACCOUNT		
Account Number: 111-234-567-890				
Statement Date: 04/10/2025				
Period Covered:				
Sam Brown Bense		Opening Balance:	\$	706,023
Transactions				
Date	Description	Credit	Debit	Balance
04/10/2025	Payment - Credit Card		69,475	

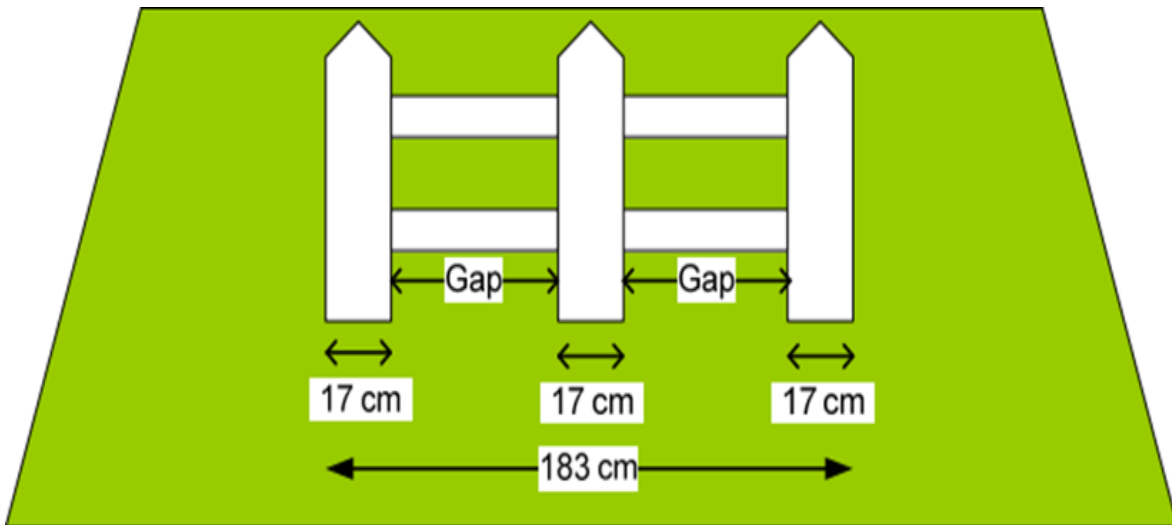
- A. \$ 636,573
- B. \$ 636,478
- C. \$ 636,548
- D. \$ 636, 558

20. Lily and Max are practicing their dance routines. Lily repeats her routine **every 4 minutes**, and Max repeats his routine **every 6 minutes**. They both start at the same time. After how many minutes will they both repeat their routines at the same time?



- A. 6
- B. 11
- C. 12
- D. 24

21. The fence shown below has three posts, equally spaced. Each post is **17cm** wide. The length of the fence is **183 cm**. What is the length of **EACH Gap** between two posts?



- A. 31 cm
 B. 54 cm
 C. 66 cm
 D. 132 cm
22. Which of these expressions will give the greatest result?
- A. $6 \times (10+5)$
 B. $8 \times (9+4)$
 C. $5 \times (15+6)$
 D. $7 \times (12+4)$

23. In a class there are 24 students, for every 3 boys there are 5 girls.



How many boys are in the class?

- A. 6
 B. 9
 C. 12
 D. 15
24. What is the **place value** of the digit **5** in the number 4.563?
- A. ones
 B. hundredths
 C. tens
 D. tenths
25. $4 + 8.4 + 9.5 =$
- A. 17.3
 B. 18.3
 C. 21.9
 D. 57.9

26. Which set of fractions is arranged in order from **largest** to **smallest**?

A. $\left\{\frac{1}{3}, \frac{1}{6}, \frac{1}{9}\right\}$

B. $\left\{\frac{1}{3}, \frac{1}{9}, \frac{1}{6}\right\}$

C. $\left\{\frac{1}{9}, \frac{1}{3}, \frac{1}{6}\right\}$

D. $\left\{\frac{1}{9}, \frac{1}{6}, \frac{1}{3}\right\}$

27. The shaded shapes below represent fractions. Which fraction is the correct solution to the problem?



A. $\frac{2}{9}$

B. $\frac{6}{9}$

C. $\frac{7}{9}$

D. $\frac{9}{6}$

28. It is Creole season, and Miss Jean is making a Wob Dwiyet for the President. She needs $3\frac{2}{3}$ yards of fabric for the Grand Wob but only has $2\frac{1}{2}$ yards. How many more yards of fabric does Miss Jean need to complete the Grand Wob?

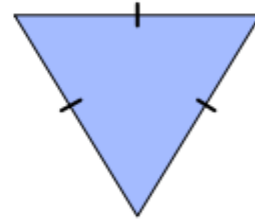
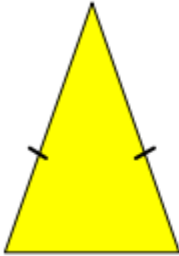


- A. $1\frac{1}{6}$
- B. $1\frac{1}{3}$
- C. $1\frac{1}{4}$
- D. $1\frac{1}{2}$
29. Which of the following gives the same result as $0.5 + 0.7$ as a fraction?

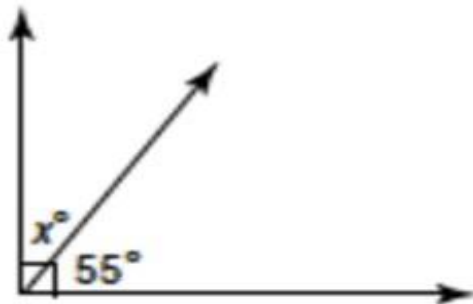
- A. $\frac{1}{2} + \frac{1}{7}$
- B. $\frac{1}{2} + \frac{7}{10}$
- C. $\frac{1}{5} + \frac{1}{7}$
- D. $\frac{1}{5} + \frac{7}{10}$

GEOMETRY

30. The image below shows three triangles. Which of the following **BEST** describes them in order from **left** to **right**?

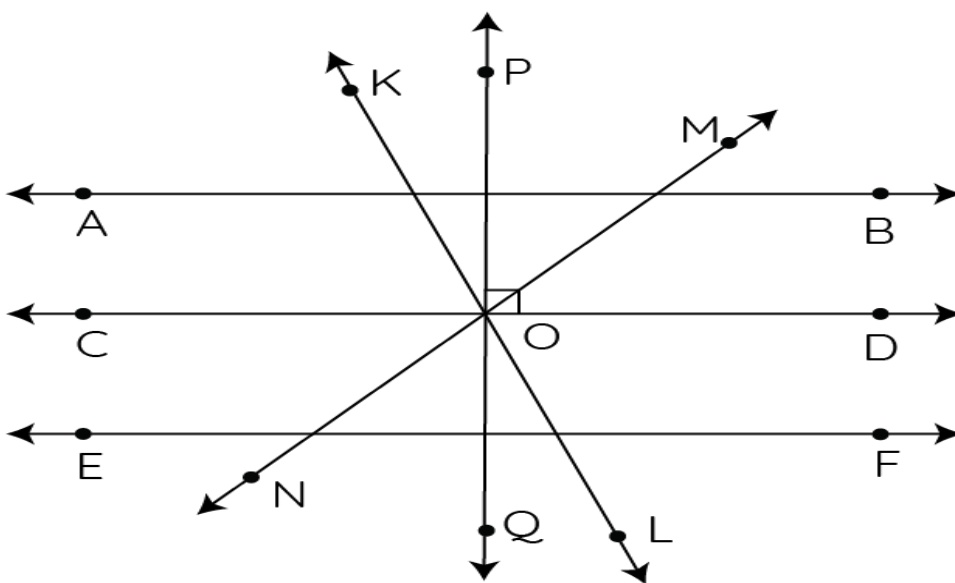


- A. Equilateral, Isosceles, Scalene
 B. Scalene, Isosceles, Equilateral
 C. Isosceles, Equilateral, Scalene
 D. Isosceles, Scalene, Equilateral
31. The missing angle “x” below, is equal to



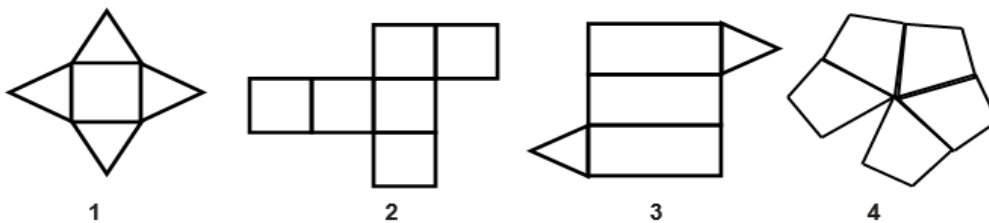
- A. 35°
 B. 55°
 C. 45°
 D. 90°

32. Which pair of lines is **perpendicular** in the diagram shown below?



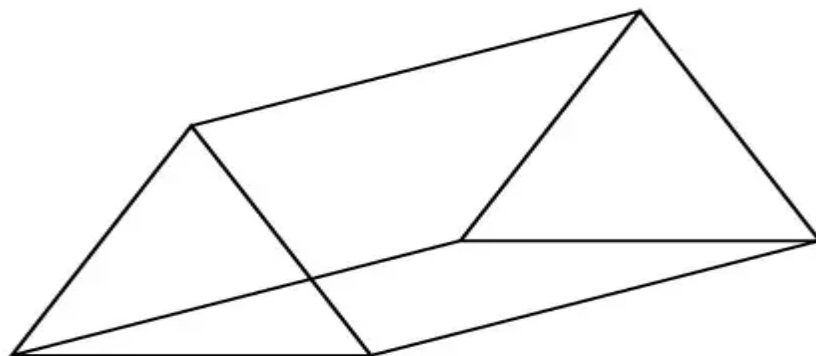
- A. AB and CD
- B. KL and EF
- C. PQ and KL
- D. PQ and CD

33. Which shape below represents the net of a square based pyramid?



- A. 1
- B. 2
- C. 3
- D. 4

34. How many vertices does the shape below have?



- A. 4
- B. 5
- C. 6
- D. 8

35. Nick made the structure shown below using cubes. How many cubes did he use?



- A. 6 cubes
- B. 8 cubes
- C. 9 cubes
- D. 10 cubes

MEASUREMENT

36. 4200 m is equal to _____ km.

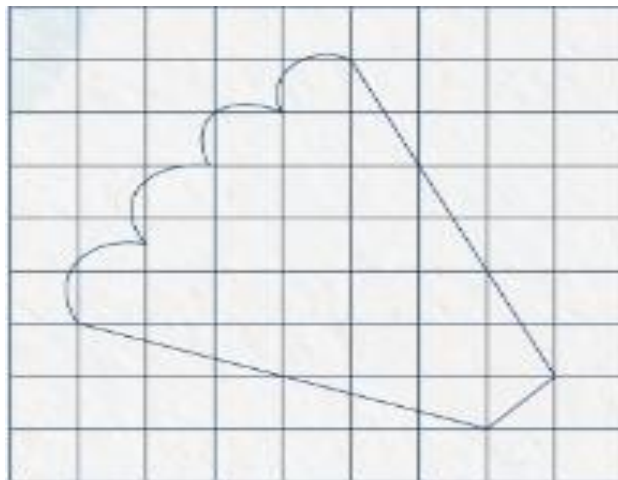
- A. 0.42
- B. 4.2
- C. 42
- D. 420

37. Two pieces of string, one is **7 centimeters** long and the other **20 centimeters** long, are cut from a piece of string **2 meters** long. What is the **remaining** length in **meters**?



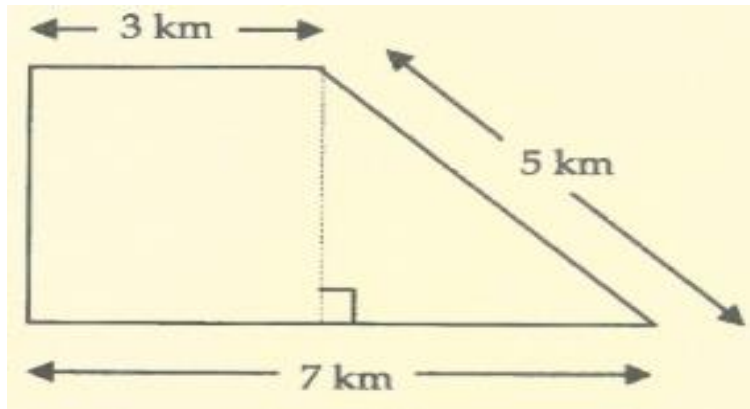
- A. 1.73 m
- B. 1.8 m
- C. 173 m
- D. 180 m

38. A good estimate of the area of the shape shown below, would be about

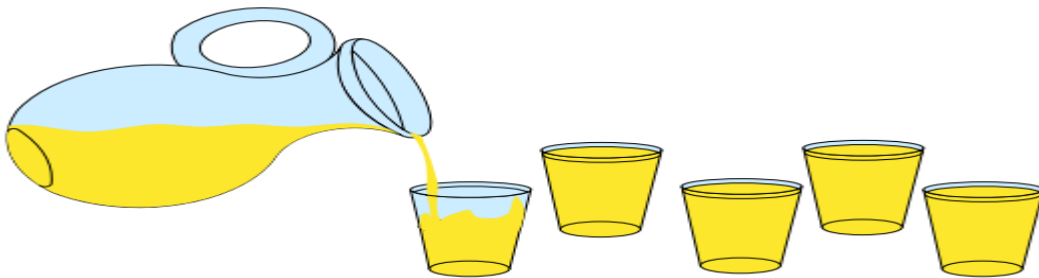


- A. 26 sq. cm
 B. 30 sq. cm
 C. 32 sq. cm
 D. 35 sq. cm
39. If the area of a rectangle is 36 cm^2 and the length is 9 cm, what is the width?
- A. 45 cm
 B. 27 cm
 C. 4 cm
 D. 3 cm

40. Candace's land is represented by a **square** and a **triangle** as shown below. What is the **perimeter** of the plot of land?

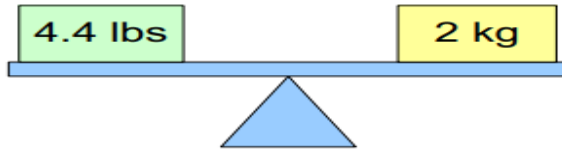


- A. 14 km
 B. 15 km
 C. 18 km
 D. 21 km
41. A pitcher holds **one (1) litre** of passion fruit juice. Steve is filling five (5) glasses. If he pours **150 ml** into each glass, how many millilitres of passion fruit juice will be **left** in the pitcher?



- A. 150 ml
 B. 250 ml
 C. 750 ml
 D. 850 ml

42. The diagram below shows that 4.4 pounds (lbs) is the same as 2 kg. How many pounds are the same as 1 kg?



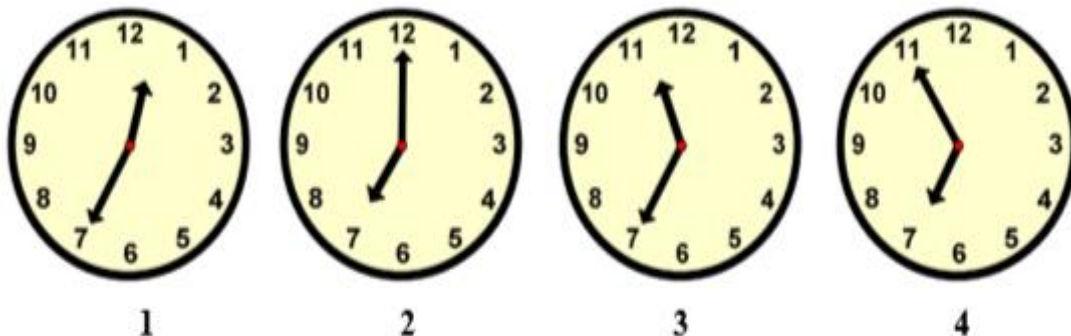
- A. 8.8 lbs
- B. 6.4 lbs
- C. 4.6 lbs
- D. 2.2 lbs

Study the diagram below to respond to Item 43.



43. Jill wants to buy **3 kg** of pears. How many **more kilograms** does Jill need?
- A. 1.4 kg
 - B. 1.6 kg
 - C. 597 kg
 - D. 1 400 kg

44. Which of the following clocks labeled below is showing 6:55?



- A. 1
- B. 2
- C. 3
- D. 4

45. The image below shows the times in seconds taken by each athlete in the 2024 women's 100m race. What was the **fastest** time?



- A. 10.72 seconds
- B. 10.87 seconds
- C. 10.92 seconds
- D. 10.96 seconds

Study the table below to respond to Item 46.

	8.00 8.55	9.00 9.55	10.00 10.55	11.00 11.55	13.00 13.55	14.00 14.55
Monday	Math	Biology	Chem	Break	Science	Arts
Tuesday	Arts	Sports	Music	-	Social	Bio
Wednesday	Science	Math	Arts	-	Music	Chem
Thursday	Chem	Social	Biology	-	Math	Arts
Friday	Music	Chem	Sports	-	Biology	Science

46. The table above shows a school's timetable for 3rd form students. How long is the school day?
- A. 6 hours and 45 minutes
 - B. 7 hours and 55 minutes
 - C. 6 hours and 55 minutes
 - D. 7 hours and 45 minutes

47. What is the total amount of money shown below?



- A. \$100.01
- B. \$100.10
- C. \$101.00
- D. \$110.00

Look at the image below to respond to Item 48.



48. What is the profit or loss made on the sale of the pen?

- A. Profit of \$0.35
- B. Profit of \$1.50
- C. Loss of \$1.15
- D. Loss of \$0.35

Carefully study the captions and chart below, to respond to Items 49 and 50.

PRICES OF FOOD AND DRINKS AT SCHOOL CAFETERIA.

Food	Cost	Drinks	Cost
Pizza 	\$ 3.50	Tea 	\$3.70
Burger 	\$4.85	Coffee 	\$ 4.80
Sandwich 	\$4.45	Coke 	\$4.05
Toast 	\$1.95	Juice 	\$3.00

****\$0.15 TAX IS ADDED TO ALL ITEMS***

49. How much will it **now** cost to buy a burger and a bottle of coke?
- A. \$ 0.80
 - B. \$ 8.90
 - C. \$ 9.05
 - D. \$ 9.20
50. Mr. Boyd's class has 10 students. He decided to treat them with **one (1) sandwich EACH**. The school decided to give him a "**Half Off**" discount on his purchase. How much did he have to pay?
- A. \$ 22.25
 - B. \$ 23.00
 - C. \$ 44.50
 - D. \$ 46.00

STATISTICS AND DATA HANDLING

51. It is important to organize data before analyzing it to
- A. make it harder to understand.
 - B. keep it in a random order.
 - C. ignore the details.
 - D. make them easier to work with.

Use the table below to respond to **Item 52**.

Table Showing the Number of Students from some Grades in a School

Grade	Number
6	12
7	15
8	7

52. Which tally chart shows the information in the table above?

A.

Grade	Number
6	
7	
8	

B.

Grade	Number
6	
7	
8	

C.

Grade	Number
6	
7	
8	

D.

Grade	Number
6	
7	
8	

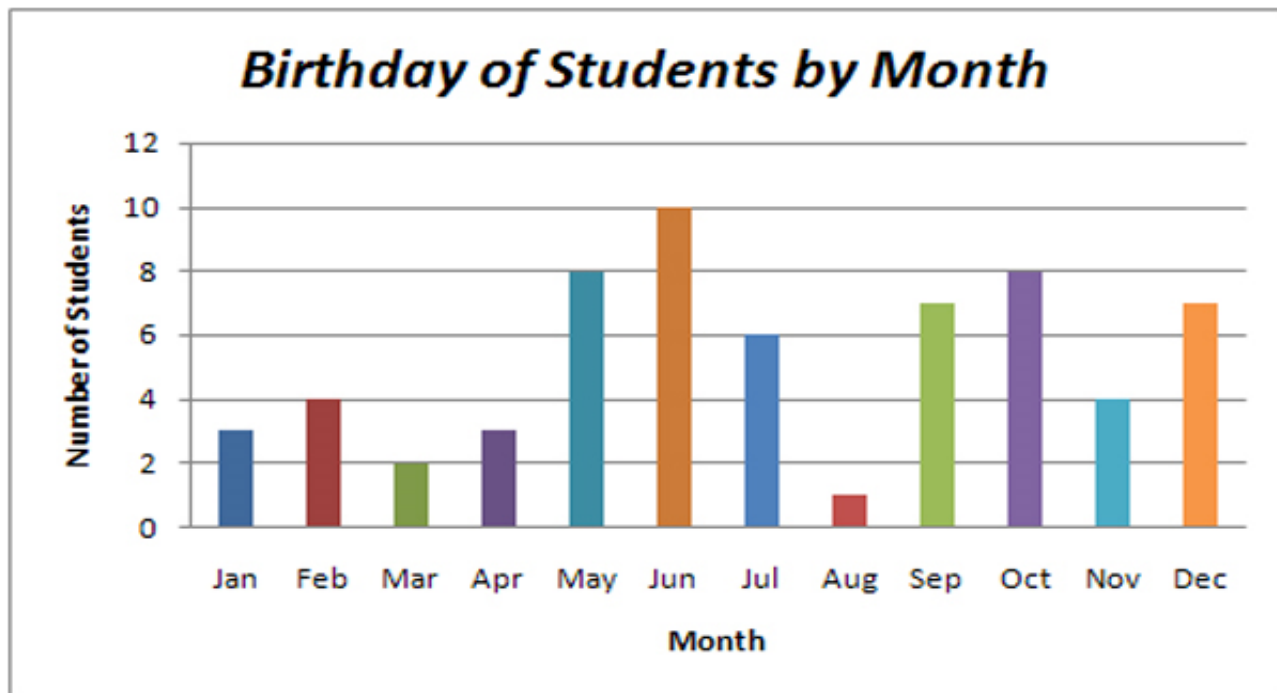
53. The diagram below represents the temperatures (in °F) recorded during a week. What was the most **frequent** temperature?



- A. 66 °F
- B. 70 °F
- C. 75 °F
- D. 77 °F

Study the image below to respond to **Items 54-56.**

Chart Showing Number of Birthdays in Month from a Class



54. What type of **chart** is shown above?
- A. Line graph
 - B. Pie chart
 - C. Histogram
 - D. Bar graph
55. Which month has the **LEAST** number of birthdays?
- A. March
 - B. June
 - C. August
 - D. December
56. How many more students are born in **June** than in **August**?
- A. 8
 - B. 9
 - C. 11
 - D. 12

57. Bob is designing a step for his house. He started by drawing the pattern below. If the pattern continues, which pattern will be **figure 4**?

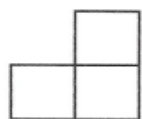


Figure 1

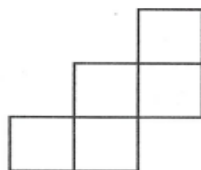


Figure 2

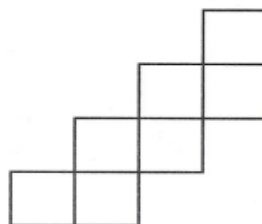
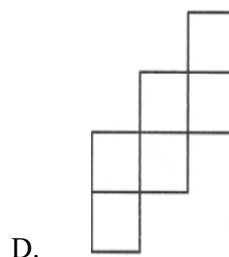
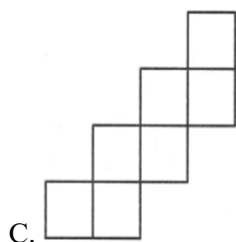
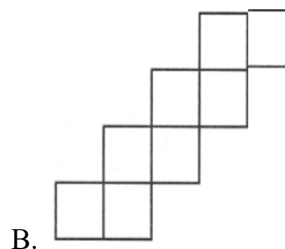
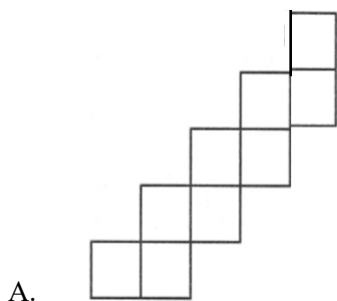


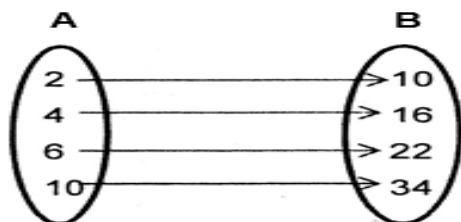
Figure 3



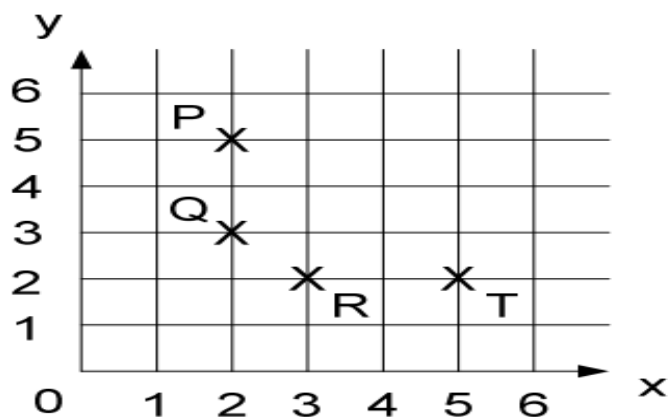
58. If $3 \times a = 12$, then $a =$

- A. 0
- B. 4
- C. 9
- D. 36

59. What operation(s) must be applied to the numbers in column **A** to get the results in column **B**?



- A. Divide by 3, then subtract 4
 - B. Multiply by 3
 - C. Add 12
 - D. Multiply by 3, then add 4
60. Which of the points on the diagram below has the coordinates **(2, 3)**?



- A. P
- B. Q
- C. R
- D. T