

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

Commonwealth of Dominica

Grade 6
National Assessment
May, 2024

TIME: 90 Minutes

DO NOT TAKE THIS PAPER OUT OF THE EXAMINATION ROOM

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Mathematics

INSTRUCTIONS**READ 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. Which of the following is a group of **prime numbers**?
 - A. 11,13,15,17
 - B. 11,12,13,14
 - C. 11,15,17,21
 - D. 11,13,17,23

2. How many groups of tens would represent the **value** of the digit **4** in the number **14 752**?
 - A. 4
 - B. 40
 - C. 400
 - D. 4000

3. It would be a good idea to round off numbers when
 - A. announcing the outcome of the general elections.
 - B. writing a cheque for the internet bill.
 - C. giving your age to the doctor.
 - D. giving an estimate on the world's population.

4. What is the biggest number that divides into 12, 24 and 42 without a remainder?
 - A. 2
 - B. 4
 - C. 6
 - D. 12

5. $(30 \times 1\,000) + (9 \times 100\,000) + (7 \times 100) + (28 \times 10)$ written in standard form is:
- A. 903 980
 - B. 930 980
 - C. 390 728
 - D. 39 728
6. 9^2 is the same as:
- A. 9×9
 - B. $9 + 9$
 - C. $9 \div 9$
 - D. $9 - 9$
7. Work out $8 \times 0 + 10$
- A. 0
 - B. 10
 - C. 18
 - D. 80
8. What is the sum of **$26 + 345 + 1987$**
- A. 8037
 - B. 2358
 - C. 5687
 - D. 1248
9. Find the **difference** between **$63\,201$** and **$25\,099$** .
- A. 38 112
 - B. 42 298
 - C. 38 102
 - D. 41 898

10. The product of **287** and **32** is

- A. 9184
- B. 319
- C. 255
- D. 1435

11. The **quotient** of 2 496 and 12 is

- A. 2 remainder 11
- B. 207 remainder 12
- C. 28
- D. 208

12. Janelle collected 15 bottle tops **every day** for 7 days for her arts project. How many bottle tops did she collect in all?



- A. 22
- B. 75
- C. 105
- D. 285

13. In 2023 Grade Six National Assessment, **841** students sat the exam. Seventy-nine (**79**) students received scholarships, Ninety-seven (**97**) students received bursaries, and the **remainder** received passes. How many students received passes in the Grade Six National Assessment?

- A. 665
- B. 176
- C. 841
- D. 1017

14. A mini bus can hold 9 students, how many mini buses are needed for 143 students?



- A. 14
 B. 15
 C. 16
 D. 17
15. Which operation is used to calculate 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. $8435 + 2089$
16. A tray of eggs holds $2 \frac{1}{2}$ dozen eggs. How many trays are needed to pack **100** eggs?



- A. 3
 B. 4
 C. 5
 D. 6

17. Sam saved \$550 at the National Bank of Dominica. He later increased his savings to **three (3) times** the amount he had already saved. How much **additional** money did Sam save?
- A. \$275
 B. \$550
 C. \$1100
 D. \$1650
18. The sum of **5** and **9** multiplied by their difference can be worked out in which of the following ways shown below?
- A. $5 + 9 \times 4$
 B. $9 - 5 \times 4$
 C. $5 + 9 \times 9 - 5$
 D. $(5 + 9) \times (9 - 5)$
19. Thirteen thousand eight hundred and thirty one flights leave Douglas Charles Airport each month. In one particular month, seven thousand and twenty-five flights were cancelled. How many flights from Douglas Charles Airport left the airport that month?



- A. twenty thousand eight hundred and fifty six
 B. six thousand eight hundred and sixteen
 C. six thousand eight hundred and fourteen
 D. six thousand eight hundred and six

20. Text books are given to students in August. Secondary school students are given books every **3** days and primary school students every **4** days. If both primary and secondary school students are given books on August 8th, when is the **NEXT** date they will both receive books on the same day?



- A. August 20th
 B. August 15th
 C. August 12th
 D. August 11th
21. Eight fencing poles are placed **7 metres** apart from each other. What is the distance between the third and the last pole?



- A. 15 metres
 B. 49 metres
 C. 28 metres
 D. 35 metres
22. Which of these will give the **greatest** result?

- A. 69×2
 B. $96 + 9$
 C. $120 - 6$
 D. $132 \div 6$

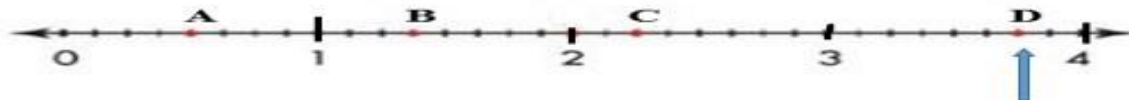
23. Ma John sells stuffed bakes with either cheese or tuna. For every 3 bakes she stuffs with tuna, she also stuffs 4 with cheese. If Ma John stuffed 16 bakes with cheese, how many bakes are stuffed with tuna?



- A. 23
 B. 8
 C. 12
 D. 7
24. The decimal 3.12 can be represented by the fraction

- A. $\frac{312}{1000}$
 B. $3\frac{12}{10}$
 C. $\frac{312}{10}$
 D. $3\frac{12}{100}$

25. Identify the fraction represented by point 'D' on the number line in its lowest form.



- A $3\frac{2}{3}$
 B $3\frac{3}{4}$
 C $3\frac{2}{4}$
 D $3\frac{6}{8}$

26. Add the following fractions: $\frac{3}{8} + \frac{1}{4} =$

A. $\frac{4}{12}$

B. $\frac{4}{8}$

C. $\frac{20}{8}$

D. $\frac{5}{8}$

27. Miss Joseph wants to make **three (3)** school pants for her son. Each pants needs $2\frac{1}{4}$ yards of fabric. Miss Joseph only got $3\frac{2}{3}$ yards of the fabric she wanted. How many more yards of fabric is Miss Joseph **missing** for her son to get all three (3) school pants?



A. $1\frac{5}{12}$

B. $3\frac{1}{12}$

C. $5\frac{11}{12}$

D. $5\frac{3}{7}$

28. $5.1 + 6 + 8.91 =$

A. 19.94

B. 20.01

C. 14.07

D. 14.61

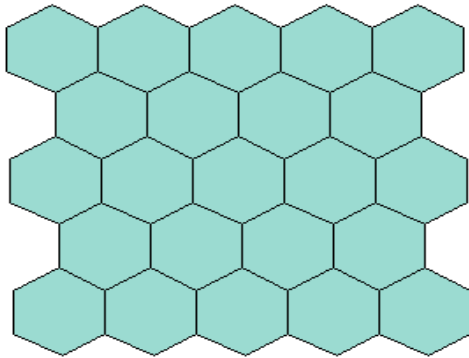
29. Mr. Sharp needs to build **3** dog cages for his dogs. If he needs 2.12 m of material for **EACH** cage, how much material does he need altogether?



- A. 6.36 m
- B. 5.12 m
- C. 0.88 m
- D. 0.71 m

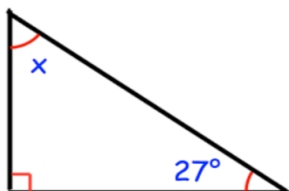
GEOMETRY

30. Look at the diagram below. Which 2D shape is it made up of?



- A. Pentagon
- B. Octagon
- C. Hexagon
- D. Heptagon

31. The missing angle “x” below, is equal to

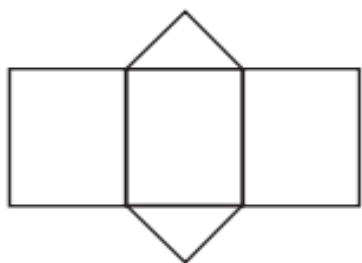


- A. 63°
- B. 153°
- C. 117°
- D. 27°

32. Which of the following 2D shapes has the **most lines of symmetry**?

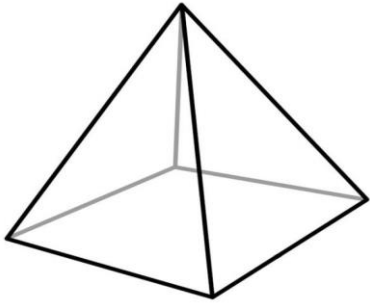
- A. Square
- B. Parallelogram
- C. Equilateral Triangle
- D. Rectangle

33. The diagram below is the net of which 3D shape?



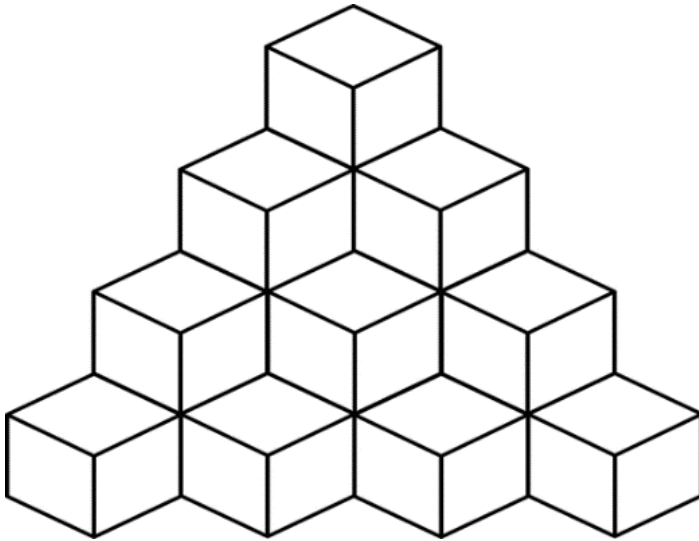
- A. Rectangular prism
- B. Triangular based pyramid
- C. Square based pyramid
- D. Triangular based prism

34. How many edges does the shape below have?



- A. 4
- B. 6
- C. 8
- D. 10

35. Nicholas made the shape shown below using children’s building blocks. How many blocks did he use?



- A. 10 cubes
- B. 15 cubes
- C. 20 cubes
- D. 30 cubes

MEASUREMENT

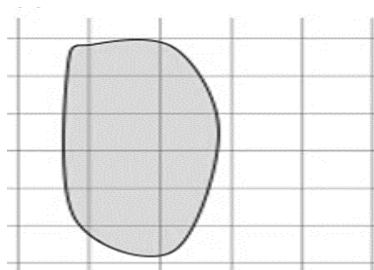
36. 2.2 km is equal to _____ metres.

- A 2.2
- B 22
- C 220
- D 2 200

37. Two pieces of string, one 54 millimeters long and the other 15 centimeters long, are cut from a piece of string 1.5 meters long. What is the **remaining** length in centimeters?

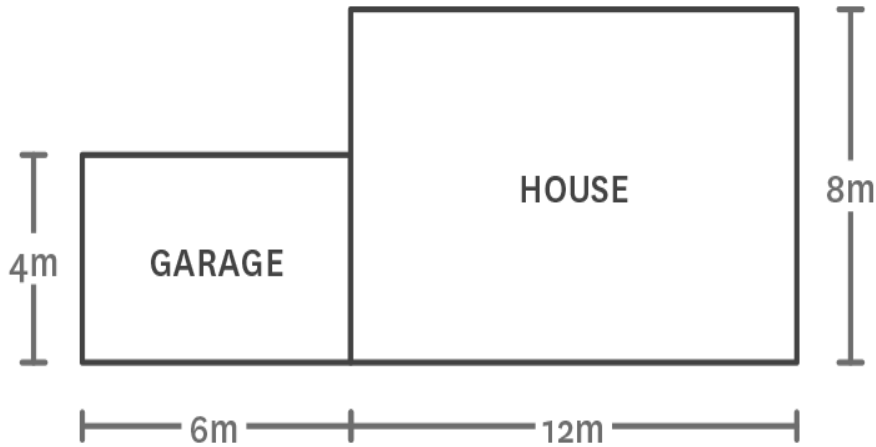
- A. 55.5 cm
- B. 45 cm
- C. 129.6 cm
- D. 94.5 cm

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



- A. 4 cm
- B. 10 cm
- C. 17 cm
- D. 30 cm

39. The diagram below shows an aerial view of Candace’s property, which contains her house and garage. What is the area of the entire property?

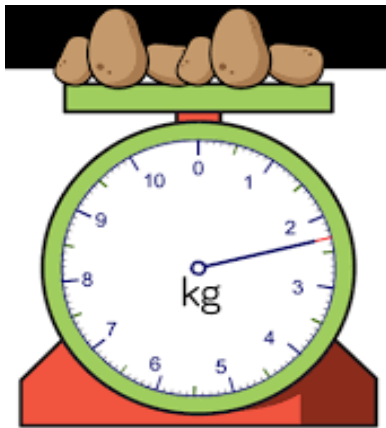


- A. 120 m^2
 B. 96 m^2
 C. 24 m^2
 D. 52 m^2
40. The perimeter of a rectangle is 28cm. If the length of the rectangle is 10cm more than the width, what is the length of the rectangle?
- A. 2 cm
 B. 10 cm
 C. 12 cm
 D. 14 cm

41. One glass of orange juice is about 250 ml. Approximately how many glasses of juice can be poured from a 3-liter jug?

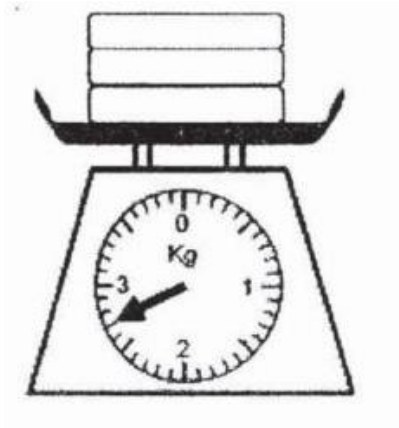


- A. 3 glasses
 B. 6 glasses
 C. 9 glasses
 D. 12 glasses
42. What is the weight of the potatoes on the scale shown below? **Give answer in grams**



- A. 2.4 g
 B. 24 g
 C. 240 g
 D. 2400 g

43. The mass of three identical books is shown on the scale below. What is the mass of one book?



- A. 0.09 kg
 B. 0.9 kg
 C. 2.07 kg
 D. 2.7 kg
44. On sports day, five girls took part in the 400m race. Who came **second** in the race?

name	time taken
Angie	1 min 18 sec
Bella	1 min 25 sec
Clemmie	1 min 13 sec
Davina	1 min 22 sec
Erin	1 min 19 sec

- A. Angie
 B. Bella
 C. Clemmie
 D. Erina

Look at the table below to answer Questions 45 and 46

The table shows a bus timetable for buses running from Portsmouth to Roseau then to Calibishie?



Portsmouth	Depart	08:00
Roseau	Arrive	08:43
Roseau	Depart	08:45
<u>Calibishie</u>	Arrive	10:32

45. How long is the bus ride from Roseau to Calibishie?
- A. 85 minutes
 B. 1 hour 87 minutes
 C. 1 hour 47 minutes
 D. 2 hours 13 minutes
46. The time it takes to get from Portsmouth to Calibishie is always the same. What time did the bus depart from Portsmouth if it arrived in Calibishie at 12:14?
- A. 9:42
 B. 10:32
 C. 10:14
 D. 20:14
47. If I buy 5 lollipops costing 54 cents each, how much change would I get from a \$5.00 bill?

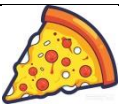









- A. \$ 2.70
 B. \$ 3.30
 C. \$ 4.46
 D. \$ 2.30

48. How much change would I get from \$20 if I bought 3 pens at \$1.60 **each**, 2 pencils at \$0.62 **each** and a colouring book for \$4.50?
- A. \$10.54
 - B. \$9.46
 - C. \$13.28
 - D. \$6.72

Look at the chart below to answer Questions 49 and 50.

Prices of food and drinks in a café

Food	Cost	Drinks	Cost
Pizza 	\$1.50	Tea 	\$0.70
Burger 	\$2.85	Coffee 	\$0.80
Sandwich 	\$1.45	Coke 	\$1.10
Toast 	\$0.95	Juice 	\$1.00

49. Lee buys one food item and a drink. He pays with \$5 and gets \$1.35 change. What did Lee buy?
- A. Pizza and Coke
 - B. Burger and Coffee
 - C. Sandwich and Juice
 - D. Toast and Coffee

50. A customer bought **three (3)** slices of pizza, **two (2)** burgers, **three (3)** bottles coke, and a glass of juice. What would be the **total** cost of the items after a discount of \$1.45 was given?

- A. \$ 15.95
- B. \$14.50
- C. \$13.05
- D. \$5.45

STATISTICS AND DATA HANDLING

51. Jasmine wanted to know how many brothers and sisters her classmates had. Her **FIRST** activity would be data _____

- A. analysis
- B. collection
- C. conclusion
- D. organization

52. Abby has a dice. She rolls 30 times and records the result in the tally chart shown below. How many times did the dice land on 6?

1	2	3	4	5	6

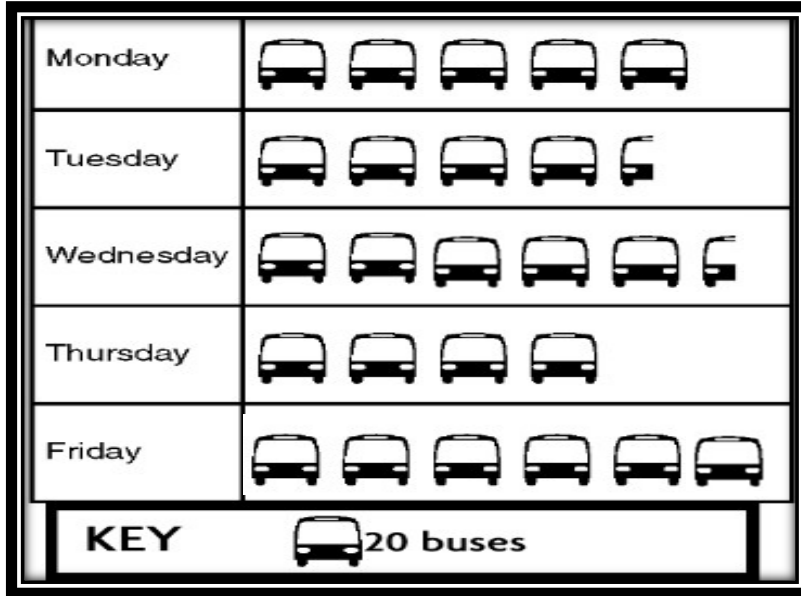
- A. 10
 B. 6
 C. 12
 D. 20
53. Find the mean average of the numbers listed below.

8, 11, 11, 15, 25

- A. 11
 B. 14
 C. 15
 D. 12

Study the pictograph below and answer Questions 54-56.

Pictograph showing number of buses passing schools in Dominica each morning.



54. On which day did the most buses pass?
- A. Monday
 - B. Tuesday
 - C. Wednesday
 - D. Friday
55. How many buses passed on Wednesday?
- A. 5
 - B. 6
 - C. 110
 - D. 120

56. How many more buses passed on Friday than on Thursday?
- A. 20
 - B. 40
 - C. 120
 - D. 200

PATTERNS, FUNCTIONS AND ALGEBRA

57. Complete the pattern shown below.

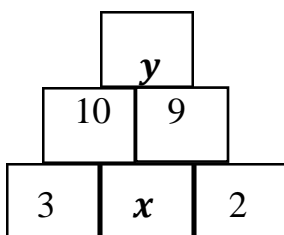
5, 11, _____, 23, 29, _____, 41

- A. 17 and 31
- B. 12 and 30
- C. 13 and 31
- D. 17 and 35

58. The diagram below is made using the following rule:

The number in each square is the sum of the numbers in the two squares below it:

Complete the diagram using the rule to find the values of x and y respectively.



- A. 8 and 11
- B. 7 and 19
- C. 13 and 11
- D. 5 and 19

59. **Caleb thinks of a number.**

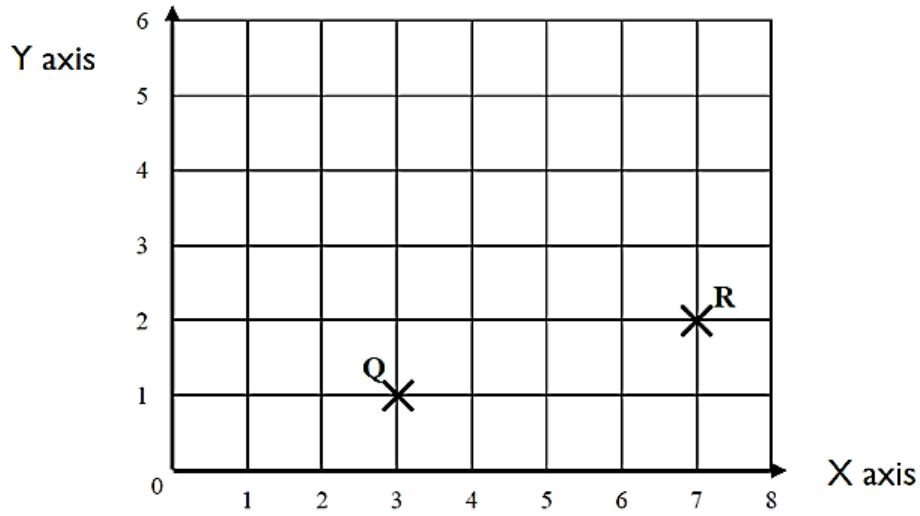
He multiplies it by 7 and subtracts 21.

The result is 35.

What number did Caleb think of?

- A. 7
- B. 8
- C. 42
- D. 56

60. What are the coordinates of **R** on the graph below?



- A. (3,1)
- B. (1,3)
- C. (7,2)
- D. (2,7)

END OF TEST