



**DOVELAND**  
INTERNATIONAL SCHOOLS  
*Soaring to Excellence*

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## END OF AUTUMN TERM EXAMINATION

2023/ 2024 ACADEMIC SESSION

YEAR GROUP: YEAR 4

SUBJECT: MATHEMATICS PAPER 1 (GENERAL ARITHMETICS)

NAME: \_\_\_\_\_

CLASS: \_\_\_\_\_ DATE: \_\_\_\_\_

### FOR MARKERS ONLY

SECTION IN PAPER	SCORES OBTAINABLE	SCORES OBTAINED
SECTION A		
SECTION B		
SECTION C		
SECTION D		
TOTAL SCORE		

DO NOT OPEN UNTIL YOU ARE TOLD TO START

**INSTRUCTION: ANSWER ALL QUESTIONS****SECTION A: MULTIPLE CHOICE QUESTIONS**

**INSTRUCTION: Circle the correct option a-d that best answers/completes the statement. Each correct answer carries one mark.**

1. Write twenty-seven million, four hundred and ninety-five thousand, three hundred and thirty –five in figures
  - a. 27,495,335
  - b. 270,364,335
  - c. 207,456,335
  - d. 200,700,300
2. What is the value of 3 in 238 467 551?
  - A. Billion
  - B. tens
  - C. Ten million
  - D. millions
3. What is the place value of the underlined digit? 231.457
  - A. units
  - B. tenths
  - C. hundredths
  - D. thousandths
4. Find the largest number that can be formed by using the digits 2, 0, 4, 5, 7, and 1.
  - A. 021457
  - B. 210457
  - C. 740521
  - D. 754210
5. find the square root of the number 144
  - A. 14
  - B. 12
  - C. 10
  - D. 44
6. the numbers below are angles, select which group represents the angles in one triangle.
  - A. 50, 40, and 90
  - B. 35, 42, and 87
  - C. 180, 90, 360
  - D. 2, 3, 5
7. find the HCF of 24 and 18
  - A. 2
  - B. 3
  - C. 6
  - D. 10
8. A triangle has the following angles  $86^\circ$ ,  $37^\circ$  and  $e^\circ$ . what is the value of  $e^\circ$ ?
  - A.  $57^\circ$
  - B.  $180^\circ$
  - C.  $75^\circ$
  - D.  $123^\circ$
9. What is MMXIX in Hindu-Arabic numerals?
  - a. 2004
  - b. 2017
  - c. 2019
  - d. 2020
10. In a school, there are 15,824 students. If 6,398 students were absent, how many students came to school?
  - A. 9,426
  - B. 9,224
  - C. 9,524
  - D. 9,326
11. An angle greater than  $90^\circ$  but less than  $180^\circ$  is called \_\_\_\_\_.
  - A. Acute angle
  - B. Right angle
  - C. Obtuse angle
  - D. reflex angle
12. Find the complement of the angle  $37^\circ$ .
  - A.  $37^\circ$
  - B.  $53^\circ$
  - C.  $62^\circ$
  - D.  $73^\circ$
13. Find the LCM of the numbers 12 and 9
  - A. 3
  - B. 9
  - C. 12
  - D. 36
14. What is the result of adding the Roman numerals LXIV and LXXV?
  - A. MXXXIX
  - B. CXLIX

- C. CXIV  
D. CLXIX

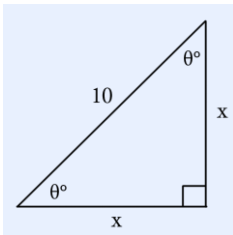
15. What is the product when 0.263 is multiplied by 100?

- A. 2.63  
B. 253  
C. 26.3  
D. 2630

16. What is the Roman numeral for the Hindu-Arabic numeral 1648?

- A. MCDXLVIII  
B. MCDLVIII  
C. MDLXVIII  
D. MDCXLVIII

17. The triangle below is an isosceles triangle. What is the value of the angle labelled  $\theta^\circ$ .



- A.  $45^\circ$   
B.  $90^\circ$   
C.  $10^\circ$   
D.  $180^\circ$

18. What is the quotient when you divide 24 by 3?

- A. 8  
B. 0.8  
C. 0.08  
D. 0.008

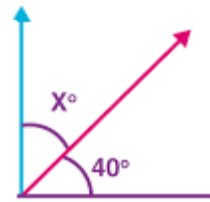
19. Find the value of the missing angle.

- A. 78  
B. 32  
C. 22  
D. 12

20. Find the square of the number 301?

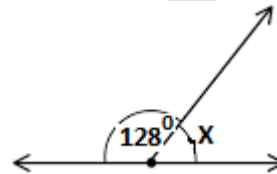
- A. 90601  
B. 961  
C. 90000  
D. 480

21. What is the measure of the missing angle?



- A.  $39^\circ$   
B.  $50^\circ$   
C.  $90^\circ$   
D.  $49^\circ$

22. Find the missing angle.



- A. 43  
B. 47  
C. 57  
D. 67

23. Find the LCM of 8 and 12

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

24. Simplify  $\sqrt{36} \times 4 =$

- A. 30  
B. 34  
C. 24  
D. 20

25. Add 15 to the quotient of  $5^2$  and  $\sqrt{4}$

- A. 111  
B. 65  
C. 150  
D. 60

26. If there are 792 cookies, and they need to be distributed into 8 jars equally, how many cookies will be in each jar?

- A. 98  
B. 88  
C. 78  
D. 68

27. A box contains 516 toy cows, and they need to be packed into bags with 4 toy cows in each bag. How many bags can be filled?

- A. 129  
B. 139

C. 149

D. 159

28. A factory produced 1,872 toys, and they need to be packed into cartons with 8 toys in each carton. How many cartons are needed?

A. 234

B. 224

C. 214

D. 244

29. Solve  $13242 + 4356 - 15240$

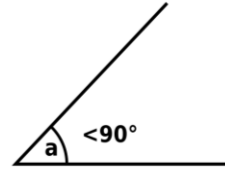
a. 2358

b. 17598

c. 32838

d. 24126

30. Identify the angle in the diagram below



A. Acute angle

B. Right angle

C. Obtuse angle

D. reflex angle

**SECTION B: FILL IN THE GAP****[2 MARKS EACH]**

1. \_\_\_\_\_ angle is greater than  $90^\circ$  and less than  $180^\circ$

2. What is the dividend if 3 is the divisor and 12 is the quotient is \_\_\_\_\_.

3.  $(\sqrt{4})^2 =$  \_\_\_\_\_.

4. A point where two lines meet is called a \_\_\_\_\_.

5. I am a square number. I am also an odd number. If my value is between 70 and 100, what number am I? \_\_\_\_\_

6. What is the Roman numeral for the Hindu-Arabic numeral 394? \_\_\_\_\_

7. Find the value of  $6^2 - 4^2$ . \_\_\_\_\_

8. Sum of angles in a triangle is \_\_\_\_\_

9. Are the pair of angles 72 and 108 complementary or supplementary? \_\_\_\_\_

10. Write the next two terms in the series 1, 4, 9, 25, 36, \_\_\_\_\_, \_\_\_\_\_

**SECTION C: PROBLEM SOLVING**

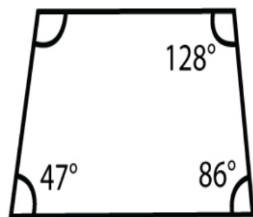
INSTRUCTION: Answer all questions in the empty box below each question. Ensure you show your step by step working in

1. Write the number 108 as a product of its prime factors. [3]

A large, empty rectangular box with rounded corners, intended for the student to show their step-by-step working for the problem-solving question.

(2 marks)

2. Find the missing angle in the quadrilateral below. [3]



3. Simplify  $\sqrt{256} + 14^2 - (\sqrt{64})^2$  [3]

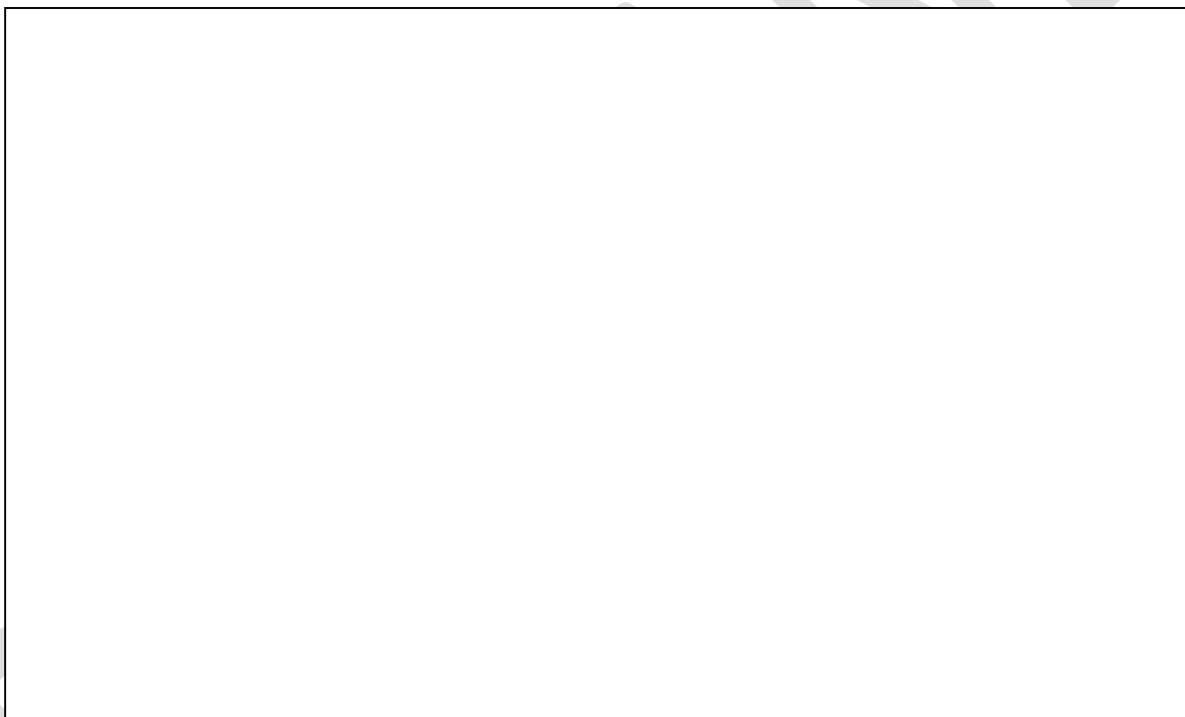
4. Find the Lowest common multiples of 24, 16 and 32 [3]

5. Three campus shuttle buses arrive the terminals at intervals of 4min, 6min and 8min. If they arrive together at noon, at what time will they arrive together again at the bus terminal. [3]

6. The table shows the number of cows sold by a cattle farm in the last 6 months of the year.

Month	<b>Mont h</b>	<b>Jul y</b>	<b>Augus t</b>	<b>Septembe r</b>	<b>Octobe r</b>	<b>Novembe r</b>
Number s of Cows	12	18	12	24	30	24

- a. Represent these data in the form of a column (bar) graph. Use your graph to answer each of the following questions. [5 marks]



- b. In which month were the greatest number of cows sold? \_\_\_\_\_
- c. In which months were the least number of cows sold? \_\_\_\_\_
- d. What was the difference between the number of cows sold in January and that in May?  
\_\_\_\_\_
- e. In which month(s) were the sales twice that in January? \_\_\_\_\_
- f. What was the total number of cows sold in the first six months?  
\_\_\_\_\_

[5]

**END OF EXAMINATION**

**TOTAL MARKS = 75 MARKS**

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