

PRIMARY SCHOOL CHALLENGE 2025

LEVEL 1 CHALLENGE GRADE 4 AND 5 ROUND ONE

INSTRUCTIONS

1. The time allocated for this paper is 1 hour.
2. All participants must remain for the full allocated time.
3. Under no circumstances may extra time be given.
4. **This paper consists of 20 Questions over 2 Sections.**

Section A consists of 15 multiple choice questions. Each question is worth 1 mark. Circle the letter you have chosen as your answer in pen. Should you wish to change an answer, put a cross over the letter and then circle your new chosen letter. No mark will be awarded if two or more letters are circled without any crossing out.

Section B consists of 5 questions where only an answer must be given. Each question is worth 1 mark. Write only your answer in the allocated space.

5. Negative marking will not be applied. That is, marks will not be deducted for an incorrect answer.
6. Calculators (and other calculating devices) and geometry instruments are not allowed.
7. Figures are not necessarily drawn to scale.
8. Answer all questions on the answer sheet provided.
9. Paper may be used for rough working.

ENJOY AND HAVE FUN 😊

SECTION A

1. What is the value of: $2 + 0 + 2 + 5 + 20 + 25 + 2025$?

- (A) 2125 (B) 2079 (C) 2225 (D) 2076 (E) 2068

2. Which of the following statements are true:

- (1) 2025 is divisible by 5 (2) 2025 is an even number
(3) 2025 is smaller than 200×10 (4) 2025 is 35 more than 1990

- (A) (1) and (2) (B) (2) and (3) and (4) (C) (1) and (4)
(D) (3) and (4) (E) (2) and (4)

3. There is a pattern in the squares below:



What number goes in the question mark?

- (A) 10 (B) 14 (C) 12 (D) 11 (E) 8

4. Which of the following is not equal to: $4 + 5 + 4 + 5 + 4 + 5$?

- (A) $12 + 15$ (B) $9 + 2 \times (4 + 5)$ (C) $8 + 9 + 10$
(D) $4 \times 9 - (4 + 5)$ (E) $3 \times 4 + 4 \times 5$

5. When you divide 2025 by 3 the remainder is:
- (A) 0 (B) 1 (C) 2 (D) 3 (E) 4
6. I am a number greater than 1750 but smaller than 2025. If you add my 1st digit to my 4th digit and then subtract my 3rd digit, you get 7. Which of the following numbers am I?
- (A) 1728 (B) 1827 (C) 2027 (D) 1939 (E) 2017
7. It is 9 June 2025 and Pete's birthday today. On 1 June four years ago, Pete was 10 years old. How old will Pete be on 10 June 2030?
- (A) 20 (B) 14 (C) 21 (D) 18 (E) 25
8. Which of the following is the smallest:
- (A) $2 + 2 \times 3$ (B) $3 \times 5 - 3 \times 2$ (C) $(6 - 4) + 5$
- (D) $(20 - 2) \div 3$ (E) $20 \div 2 - 0$
9. Two lists are shown below. In LIST 1 choose the number that is a multiple of 4. In LIST 2 choose the number which is not a factor of 36.

LIST 1

42

26

14

28

LIST 2

36

9

26

6

What is the sum of your two chosen numbers?

- (A) 64 (B) 40 (C) 54 (D) 37 (E) 51

10. Lucy and her four friends share a large rectangular cake. They cut the cake into 10 equal pieces and each of them receive 2 pieces of cake. Another friend, Ben, arrives. Lucy gives Ben exactly a half of one of her pieces of cake.

What fraction of the original rectangular cake did Ben receive?

- (A) $\frac{1}{5}$ (B) $\frac{1}{12}$ (C) $\frac{1}{10}$ (D) $\frac{1}{20}$ (E) $\frac{1}{15}$

11. Weeks in a calendar month run from Monday to Sunday. The sum of the dates of the month in a particular week is 63.

What is the date of the Saturday in that week?

- (A) 13th (B) 11th (C) 9th (D) 14th (E) 10th

12. The sum of the ages of 10 friends is 200.

What was the sum of their ages on the same day 10 years ago?

- (A) 190 (B) 300 (C) 120 (D) 100 (E) 110

13. Which operation (+, −, ×, ÷) must be written where the triangle (△) is to make the following sum correct?

$$(40 \triangle 32) \div \frac{4}{5} = 10$$

- (A) × (B) + (C) − (D) ÷ (E) None of them work

14. What is the smallest number of 10's which must be added together to make a number bigger than 2025?

- (A) 25 (B) 202 (C) 125 (D) 22 (E) 203

15. Over a long weekend, 700 people visited a zoo. 200 visited on Saturday. Four times as many people visited the zoo on Sunday as they did on Monday. How many people visited the zoo on Monday?

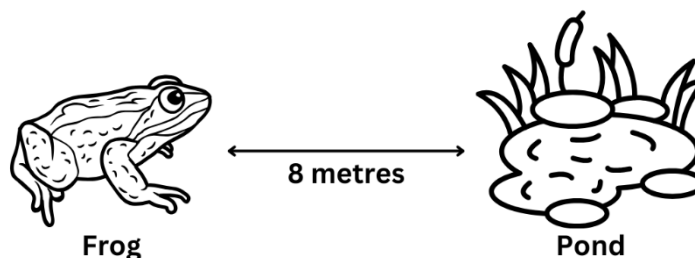
- (B) 500 (B) 200 (C) 400 (D) 300 (E) 100

SECTION B

(Write your answer only in the allocated space)

16. If c can equal 1 or 2 or 3, and d can equal 2 or 3 or 4, how many different answers are possible if we multiply c and d ? ($c \times d$)

17. A frog is 8 metres from a pond of water.

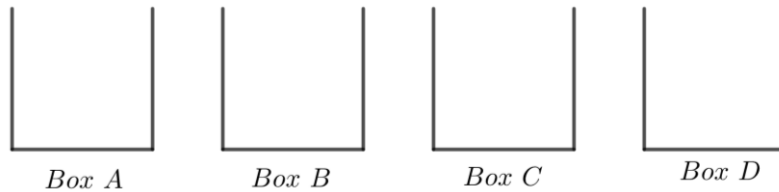


- The frog jumps half the distance to the pond
- The frog then jumps half of the remaining distance to the pond
- The frog then again jumps half of the remaining distance to the pond

How far is the frog from the pond after these three jumps?

18. Boxes A , B , C , and D each have some balls in them.

- Box A has 24 balls inside it
- Box D has 21 balls inside it
- Box C has 18 balls inside it.



- exactly $\frac{1}{4}$ of the balls in box A are moved to box C
- exactly $\frac{1}{3}$ of the balls in box D are moved to box C
- 5 balls are moved from box C to box B

After these three moves, how many balls are inside box C ?

19. Cyril is writing a multiple choice test. After 45 minutes he has answered 30 questions. The test was 75 minutes long and Cyril just managed to answer all the questions.

If he always took the same time to answer any question, how many questions were in the test?

20. A total of 57 balls are put into 10 boxes. No box has less than 5 balls inside it. At least two boxes have an even number of balls in them.

What is the largest possible number of balls which could be inside a box?