



# COMO-马来西亚数学邀请赛

MiMAS MALAYSIA MATHEMATICS INVITATIONAL

学生资料

英文姓名 Name		班级 Class	
学校名称 School Name			

3

2017

小学三年级  STANDARD 3

1 小时

3

## INSTRUCTIONS AND INFORMATION

1. Do not open the booklet until told to do so by your teacher.  
未获监考老师许可之前不可翻开此比赛试卷。
2. This question paper consists of 30 questions.  
本试卷共有 30 题。
3. Diagrams are NOT drawn to scale. They are intended only as aids.  
题目所提供之图形只是示意图，不一定精准。
4. Neither mathematical tables nor calculators may be used.  
不准使用数学表或计算器。
5. Write your answers in the answer boxes on the **separate answer sheet** provided.  
答案请另填写在所提供的作答卷的指定位置上。
6. Working may be shown in the space below each question.  
算式可写在试卷的任何空格里。
7. **Marks are awarded for correct answers only.**  
只有正确的答案才能得分。
8. The MiMAS reserves the right to re-examine students before deciding whether to grant official status to their score.  
为确保竞赛之公平及公正，MiMAS 主办单位保留要求考生重测之权利。

**1 - 10 题，每题 3 分。**

1. 计算： $5128 + 2145 - 1358 = ?$

Compute： $5128 + 2145 - 1358 = ?$

- (A) 5915      (B) 6027      (C) 6345      (D) 6617

2. 计算： $100 - 9 \times 8 + 2 = ?$

Compute： $100 - 9 \times 8 + 2 = ?$

- (A) 10      (B) 30      (C) 36      (D) 74

3. 计算： $1000 \div 4 \div 25 = ?$

Compute： $1000 \div 4 \div 25 = ?$

- (A) 20      (B) 18      (C) 15      (D) 10

4. 8 公分 4 毫米和 48 毫米相差几毫米？

What is the different between 8cm 4mm and 48mm, in mm?

- (A) 756 毫米      (B) 652 毫米      (C) 72 毫米      (D) 36 毫米  
756 mm      652 mm      72 mm      36 mm

5. 在数线上，有一个数在 2100 的右边和 2300 的左边，这个数不可能是下面哪一个？  
On the number line, which one of the following numbers are NOT the number on the right of 2100 and on the left of 2300?

- (A) 2245      (B) 2108      (C) 2196      (D) 2356

6. 三角板中最多有几个直角？  
How many right angle on the triangular plate?

- (A) 0 个      (B) 1 个      (C) 2 个      (D) 3 个

7. 用 3、8、1、4 四个数字组成一个四位数，数字不能重复，最大的数和最小数的和是？  
What is the sum of the greatest and the smallest 4-digit numbers that can be formed by digits 3, 8, 1 and 4 with no repeated digits?

- (A) 9977      (B) 9779      (C) 7979      (D) 7799

8. A、B、C 三枝吸管，A 吸管比 B 吸管长 3 公分 8 毫米，A 吸管比 C 吸管长 5 公分 9 毫米。B 和 C 吸管相差几毫米？

A, B and C are three straws. Straw A is 3cm 8mm longer than Straw B. Straw A is 5cm 9mm longer than Straw C. What is the difference between Straw B and Straw C in mm?

- (A) 21 毫米      (B) 56 毫米      (C) 97 毫米      (D) 105 毫米  
21 mm      56 mm      97 mm      105 mm

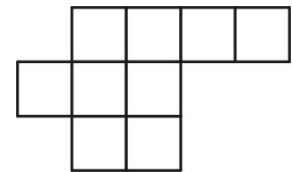
9. 下面叙述何者错误?

Which of the following statement is FALSE?

- (A) 4 个角都是直角, 且 4 个边都一样长的图形就是正方形。  
The shape which has 4 right angle and 4 sides have equal length is the square.
- (B) 长方形的 4 个角都一样大。  
Rectangle has 4 same angle.
- (C) 1 个长方形有 3 种不同长度的边。  
One rectangle has 3 difference length.
- (D) 正方形的 4 个边一样长, 4 个角一样大。  
Square has 4 equal length and 4 equal angle.

10. 右图中每一个小方格的边长都是 1 公分, 求图形的周长。

Every small square on the right figure has the side of 1 cm length. Find the perimeter of the figure.



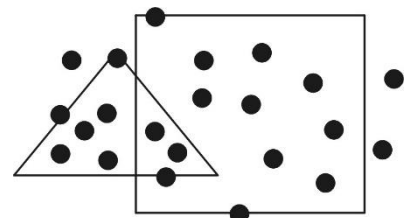
- (A) 14 公分  
14 cm
- (B) 16 公分  
16 cm
- (C) 18 公分  
18 cm
- (D) 24 公分  
24 cm

**11 - 20 题, 每题 4 分。**

11. 在三角形内部但在长方形内部的小圆有几个?

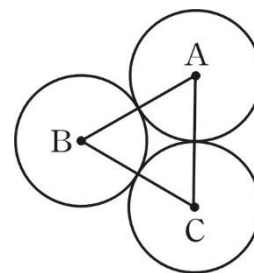
How many dots are in the triangle but not in rectangle?

- (A) 5
- (B) 4
- (C) 3
- (D) 2



12. 右图中，每个圆的半径都是 12 公分，正三角形 ABC 的周长是多少公分？

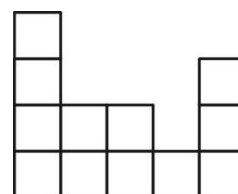
The radius of each circle on the right figure is 12 cm.  
What is the perimeter of the equilateral triangle ABC?



- (A) 24 公分      (B) 36 公分      (C) 48 公分      (D) 72 公分  
24 cm            36 cm            48 cm            72 cm

13. 每一个方格是 1 平方公分，如右图，还需要多少个方格，才能排成一个 25 平方公分大的正方形？

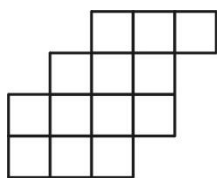
Every small square on the right figure has the side of 1 cm length. How many small square we need to make the right figure into a large square with area of  $25\text{cm}^2$ ?



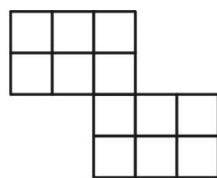
- (A) 11            (B) 12            (C) 13            (D) 14

14. 下面的图形是用  $1\text{cm}^2$  方格拼成的，其中面积最大的图形和面积最小的相加的面积和是几平方公分？

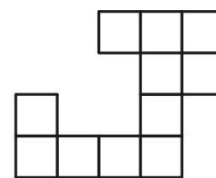
The figures below are made up by  $1\text{cm}^2$  square. What is the value of the sum of the largest area figure and the smallest area figure?



甲



乙



丙

- (A) 22 平方公分      (B) 23 平方公分      (C) 24 平方公分      (D) 25 平方公分  
22  $\text{cm}^2$             23  $\text{cm}^2$             24  $\text{cm}^2$             25  $\text{cm}^2$

15. 心如抄错了题目，将减数 315 看成 351，又把减法看成加法计算得到 918。原来的正确答案是多少？

Sally was wrong copy the question, she mistook minus 315 as 351 and mistook the minus as addition. The answer became 918. What is the original answer?

- (A) 954            (B) 576            (C) 338            (D) 252

16. 小玲有 2651 元，买了一本书后，还剩下 1496 元，一本书卖几元？

Ling has \$2651. She has only \$1496 after she bought a book. How much is the book?

- (A) 1085            (B) 1155            (C) 1288            (D) 2806

17. 将全校 200 位同学平分成 5 队，每 8 人一起睡一个帐篷，请问每队需要几个帐篷？

Split 200 students into group of 5, Every 8 persons sleep together with a tent. How many tents we need for each group?

- (A) 4                (B) 5                (C) 6                (D) 7

18. 用一根长 108 公分的铁丝折成一个正方形，请问这个正方形的边长是几公分？

A wire of length 108 cm is used to make a square. Find the side of the square?

- (A) 12 公分            (B) 27 公分            (C) 22 公分            (D) 18 公分  
12 cm                27 cm                22 cm                18 cm

19. 百货公司推出购物满 2000 元省 200 元的优惠活动，一件衣服 490 元，小平买了 6 件要花多少元？

Shopping malls offer \$200 cash rebate with any \$2000 purchase. The price of a cloth is \$490. How much Sam need to pay for 6 clothes ?

- (A) 2940      (B) 2860      (C) 2740      (D) 2660

20. 三年级 12 个班级各派出 9 组参加运动会的五人六脚比赛，三年级共有多少人参加五人六脚比赛？

It has 12 classes of standard 3 students. Each class send 9 groups of students participate the "Five persons Six Leg" competition. How many students participate this competition?

- (A) 420      (B) 540      (C) 588      (D) 648

### 21 - 30 题，每题 5 分。

21. 计算： $19 \times 4 \times 25 = ?$

Compute： $19 \times 4 \times 25 = ?$

22. 观察数列的变化规律在 ( ) 内填入适当的数?  
Find the missing numbers in each number pattern?

(a) 0, 1, 3, 6, ( ), 15

(b) 1, 2, 3, 5, 8, 13, ( )

23. 在□里填上合适的数使算式成立。

Fill in the □ make the calculation correct.

$$\begin{array}{r} \square 3 \square \\ \times \quad \quad 7 \\ \hline 4 \square 6 \square \end{array}$$

24. 计算 :  $58 + 61 + 63 + 59 + 60 + 64 + 57 + 65 = ?$

Compute :  $58 + 61 + 63 + 59 + 60 + 64 + 57 + 65 = ?$



25. 5 只猫在 5 天里能捉到 5 只老鼠，如果要在 100 天内捉到 100 只老鼠需要多少只猫？

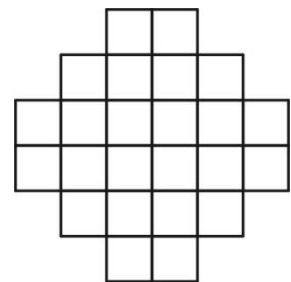
5 cats catch 5 mice in 5 days. How many cats we need to catch 100 mice in 100 days?

26. 一列数按「297435297435297...」排列，那么前 40 个数的和是多少？

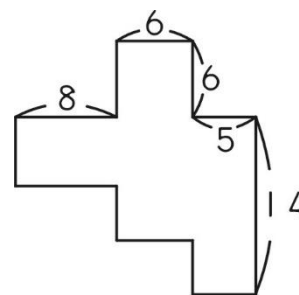
A series number is formed as 「297435297435297...」. What is the sum of the first 40 numbers?

27. 右图中有多少个大大小小的正方形？

How many squares on the right figures?



28. 计算右边图形的周长是多少? (单位:公分)  
Find the perimeter of the right figure. (In unit cm)



29. 计算 :  $100 - 1 - 9 - 2 - 8 - 3 - 7 - 4 - 6 - 5 - 5 - 6 - 4 - 7 - 3 - 8 - 2 - 9 - 1 = ?$

Compute :  $100 - 1 - 9 - 2 - 8 - 3 - 7 - 4 - 6 - 5 - 5 - 6 - 4 - 7 - 3 - 8 - 2 - 9 - 1 = ?$

30. 荳荳和萱萱各有一盒弹珠，共有 108 粒，荳荳给了萱萱 10 粒，荳荳剩下的弹珠比萱萱还多 8 粒，原来萱萱有多少粒弹珠？  
Both Alice and Kate have a box of marbles, they have in total of 108 marbles. After Alice gave Kate 10 marbles, Alice still has 8 marbles more than Kate. How many marbles does Kate originally have?

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本试卷共有 12 页 ( 包括本页 )