亚庇建国中学 2022 年初一新生入学考试
KIAN KOK MIDDLE SCHOOL
JUNIOR ONE ENTRANCE EXAMINATION 2022
数学科（时间：50 分钟）
MATHEMATICS (TIME: 50 MINUTES)

作答说明 INSTRUCTIONS

1. 甲组–选择题：25 题全做。选出正确答案，并用 2B 铅笔在答案卷上将对应的字母涂黑。
   Answer all 25 questions in Section A. Darken the correct answer for each question on your answer sheet.
2. 乙组–作答题：5 题全做。在答案卷所提供的空白处作答。所有演算步骤必须清楚写出。
   Answer all 5 questions in Section B. Write your answer on the answer sheet. Show the mathematical working clearly.

甲组：选择题 $25 \times 3\% = 75\%$
Section A: Objective questions $25 \times 3\% = 75\%$

1. 以整数写出7.108百万。

   Express 7.108 *million* as an integer.

   A. 710 800　　B. 7 108 000　　C. 701 800　　D. 7 180 000

2. 计算 9 981 和 22 的积，把答案写成万位近似值。

   Calculate the product of 9 981 and 22, and round off the answer to the nearest ten thousand.

   A. 219 000　　B. 219 582　　C. 220 000　　D. 229 000

3. $P \div (51 + 187) = 6$
   P 是什么值？
   What is the value of P ?

   A. 136　　B. 238　　C. 1 400　　D. 1 428

4. 3 850 的 60% 是多少？

   Calculate 60% of 3 850.

   A. 1 500　　B. 1 540　　C. 2 300　　D. 2 310

5. $\frac{3}{8}$ 百万+ 0.03百万− 63 145 = ?
   $\frac{3}{8}$ *million* + 0.03 *million* − 63 145 = ?

   A. 281 855　　B. 341 855　　C. 411 145　　D. 468 134

6. 计算 $40 + 32 \times 5$。

   Calculate $40 + 32 \times 5$.

   A. 72　　B. 160　　C. 200　　D. 360

7. 375 是 Q 的 100 倍。请问 Q 乘于 0.6 的值是多少？

100 times of Q is 375. What is the value of Q if Q is multiplied by 0.6?

A. 2.25 B. 22.5 C. 225 D. 2 250

8. 把 2.025 化为最简分数。

Express 2.025 as a fraction in the lowest term.

A. $2\frac{25}{1000}$ B. $2\frac{25}{100}$ C. $2\frac{5}{100}$ D. $2\frac{1}{40}$

9. 以下哪项是 $12:45\ a.m.$ 的 24 时计时法？

Which of the following is the $24-$ hour clock format of $12:45\ a.m.$?

A. 1245 B. 1345 C. 0045 D. 0145

10. $14\ l\ 625\ ml \div 5 =$ _____ml

A. 2.925 B. 29.25 C. 292.5 D. 2 925

11. 求 20 至 30 之间的奇数之和。

Find the sum of the odd numbers between 20 and 30.

A. 75 B. 96 C. 100 D. 125

12. 丽丽在书展用 RM 35 买了一本原价为 RM 50 的小说。请找出丽丽所得到的折扣百分比。

Lili bought a novel with an original price of RM 50 at the book fair for RM 35. Find the percentage discount that Lili obtained.

A. 70% B. 65% C. 35% D. 30%

13. 5 个数字的平均数是 7，其中四个数字是 4、7、8 和 9，找出第五个数字。

The average of 5 numbers is 7, given four of the numbers are 4, 7, 8 and 9, find the fifth number.

A. 6 B. 7 C. 8 D. 9

14. 温先生从2020 年 12 月 25 日至2021 年 2 月 15 日参加一项体能训练课程。这项课程为期多少天？

Mr. Vun participated in a physical training course from 25th December 2020 to 15th February 2021. How many days did this course last?

A. 51天
51 days

B. 52天
52 days

C. 53天
53 days

D. 54天
54 days

15. 求 $49\ cm$ 是 $1\ km$ 的多少百分比。

Express 49 cm as percentage of 1 km.

A. 49% B. 4.9% C. 0.49% D. 0.049%

16. 小明今天需要完成一本数学作业和一本华文作业。他平均用了 40 分钟完成一本作业，完成数学作业的时间和完成华文作业的时间是 5：3。小明用了多少分钟完成数学作业？

Xiao Ming needed to complete a Mathematics assignment and a Chinese assignment today. He took an average of 40 minutes to finish an assignment. The ratio of time spent on Mathematics assignment to Chinese assignment is 5: 3. How long did it take Xiao Ming to finish his Mathematics assignment?

A. 40 分钟 40 minutes　　B. 45 分钟 45 minutes　　C. 50 分钟 50 minutes　　D. 55 分钟 55 minutes

17.

$$5,\ 7,\ 11,\ 17,\ X,\ 35,\ Y$$

图 1
Diagram 1

图 1 显示一条数列。请找出 $X+Y$ 的值。
Diagram 1 shows a group of number sequence. Find the value of $X+Y$.

A. 62　　B. 70　　C. 72　　D. 80

18. 胡萝卜的原价是每公斤RM2.50。 然而，后来每公斤胡萝卜的价格上涨了20%。 计算如果林女士以最新的价格购买了 3 公斤的胡萝卜，她需要支付多少钱。
The original price of carrots was RM 2.50 per kilogram. However, the price was increased by 20%. Calculate how much Ms. Lim would have to pay if she bought 3 kg of carrots with the latest price.

A. RM 12　　B. RM 9　　C. RM 6　　D. RM 3

19. $(\quad) \div \frac{4}{3} = 3$
在 (　　) 里须填入什么数目？
What number must be written in the (　　)?

A. $2\frac{1}{4}$　　B. 3　　C. 4　　D. $2\frac{3}{4}$

20. 周先生今年61岁，他的女儿的年龄比他小38岁。计算两年后周先生和他的女儿的年龄的总和。
Mr. Zhou is 61 years old this year, and his daughter is 38 years younger than him. Calculate the sum of the ages of Mr. Zhou and his daughter two years later.

A. 23　　B. 60　　C. 78　　D. 88

21. 两个箱子里分别有 10 kg 和 5000 g 的柠檬。水果小贩卖出了其中的 $\frac{4}{5}$ 。还剩下多少 kg 的柠檬？

There were 10 kg and 5000 g lemons in the two boxes respectively. Fruit vendors sold $\frac{4}{5}$ of them. How many kilograms of lemon are left?

A. 3 kg　　B. 6 kg　　C. 9 kg　　D. 12 kg

22. 图 2 的饼分图显示西蒙进行三种活动所用的时间。
西蒙总共用了 5 个小时来进行三种活动。
请问西蒙用了多少分钟跑步？
The pie chart in Diagram 2 shows the time taken of Simon to perform the three activities.
Simon spends a total of 5 hours for the three activities.
How much time does Simon spend running?

A. 75 分钟/ minutes　　B. 90 分钟/ minutes

C. 120 分钟/ minutes　　D. 135 分钟/ minutes

图 2
Diagram 2

23. 图 3 显示一个坐标平面图。
从 M 点去 N 点的横向距离是向左移 3 个单位，
直向距离是向下移 4 个单位。N 点的坐标是什么？
Diagram 3 shows a Cartesian plan.
The horizontal distance from point M to point N is 3 units to the left, then 4 units down for the vertical distance.
What are the coordinates of point N?

A. $(0, 0)$　　B. $(1, 0)$
C. $(0, 1)$　　D. $(1, 1)$

图 3
Diagram 3

24. 图 4 显示两条绳子的长度。
图中显示 B 绳子比 A 绳子长一倍。
4 条绳子 A 和 3 条绳子 B 的总长度是 1.5 m。
一条绳子 A 的长度是多少 cm?
Diagram 4 shows the length of the two ropes.
It shows that rope B is twice as long as rope A.
The total length of 4 ropes A and 3 ropes B is 1.5 m.
What is the length of rope A in cm?

A. 0.15 cm　　B. 1.5 cm
C. 15 cm　　D. 150 cm

图 4
Diagram 4

25. 图 5 显示一些不同大小的正方形组成的长方形。
全图的周长是 46 cm，找出 k 的值。

Diagram 5 shows a rectangle composed of squares of different sizes. The perimeter of the whole figure is 46 cm, find the value of k.

A. 3 cm　　B. 3.5 cm
C. 4 cm　　D. 5 cm

图 5
Diagram 5

乙组：作答题 $5 \times 5\% = 25\%$
Section B: Subjective questions $5 \times 5\% = 25\%$

组 Section B	**25**

1. 计算$[10 + 35 \div (15 - 4 \times 2)] + 85$。
Calculate $[10 + 35 \div (15 - 4 \times 2)] + 85$.
答案 / Answer:

5

2. 计算：$5\ m\ 8\ cm\ 7\ mm \times 3$ ，并以 m 为单位。
Express $5\ m\ 8\ cm\ 7\ mm \times 3$ in m.
答案 / Answer:

5

3. 爱丽丝和四个朋友去吃自助餐。一人的收费是 RM 35。她们还需付 6% 的消费税和 10% 的服务费。她们一共需付多少钱？
Alice has buffet with four friends. The charge for one person is RM 35. They also have to pay 6% consumption tax and 10% service charge. How much do they have to pay in total?
答案 / Answer:

5

4. 图 6 的钟面显示小盈下午从家里出发到图书馆的时刻。
The clock face in Diagram 6 shows the time when Xiao Ying left from home to the library in the afternoon.

图 6
Diagram 6

(a) 小盈到图书馆时已经是 $3:30\ p.m.$ 了，她共花了多少时间从家里到图书馆？
It was $3:30\ p.m.$ when Xiao Ying arrived at the library. How much time did she spend on the way from home to the library?
答案 / Answer:

2

(b) 小盈在图书馆待了 105 分钟后就离开。以 12 小时计时法，计算小盈离开图书馆的时刻。
Xiao Ying stayed in the library for 105 minutes. Calculate the time when Xiao Ying left the library in 12 – hour clock format.
答案 / Answer:

3

5. 图 7 显示黄先生家院子的平面图。
Diagram 7 shows the floor plan of Mr. Wong's yard.
假设黄先生想把整个院子围起来，总共需要多少 m 的围栏？
If Mr. Wong wants to enclose the entire yard, how many meters of fence is needed in total?
答案 / Answer:

图 7
Diagram 7

5