



EMC 数学检定考试比赛 2019

EDUKIDS MATHEMATIC CONTEST

二年级/ Standard 2

比赛时间：1 小时

Time: 1 hour

注意事项

GENERAL INSTRUCTIONS

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. The top 20 questions are multiple choice questions, each with four options. The last 10 questions require answer or proof process.
本试卷共有 30 题。最前 20 题为选择题，每题有四个选项。最后 10 题要写出答案或证明过程。
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. Marks are awarded for correct answers only.
只有正确的答案才能得分。
7. We reserves the right to re-examine students' results before deciding whether to grant official status to their score.
为确保竞赛之公平及公正，主办单位保留要求考生重测之权利。

1-10 题, 每题 3 分

Question 1-10, 3 marks are given for each question

1

725

图 1

Diagram 1

哪个数目比图 1 的数目大?

Which of the following numbers is greater than the number in Diagram 1?

- A 86
- B 689
- C 719
- D 802

2 图 2 显示一个条形统计图。

Diagram 2 shows a bar chart.

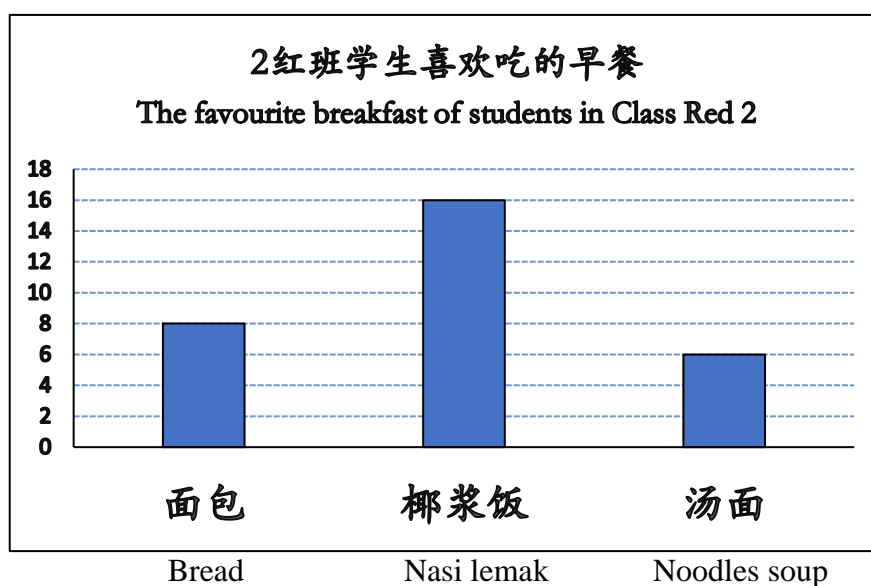


图 2

Diagram 2

最多学生喜欢吃和最少学生喜欢吃的早餐的人数相差多少人?

What is the difference between the number of students for the breakfast that the students like the most and the breakfast that the students like the least?

- A 10
- B 8
- C 4
- D 2

- 3 图 3 显示一个钟面。
Diagram 3 shows a clock face.

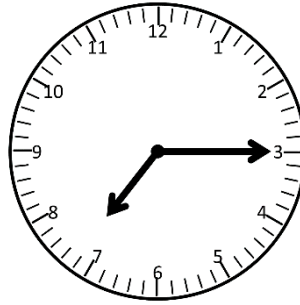


图 3
Diagram 3

钟面显示什么时刻?
What is the time shown on the clock face?

- A 6 时 3 分钟 6:03
- B 6 时 15 分钟 6:15
- C 7 时 3 分钟 7:03
- D 7 时 15 分钟 7:15

- 4 图 4 显示一组立体图形。
Diagram 4 shows a set of three-dimensional shapes.

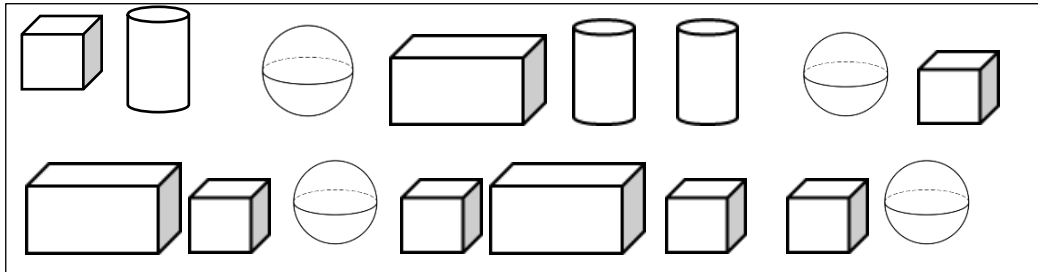


图 4
Diagram 4

哪一种立体图形最多?
Which is the most three-dimensional shape?

- A 球体 Sphere
- B 正方体 Cube
- C 长方体 Cuboid
- D 圆柱体 Cylinder

-
- 5 图 5 显示一支铅笔的长度。
Diagram 5 shows the length of a pencil.

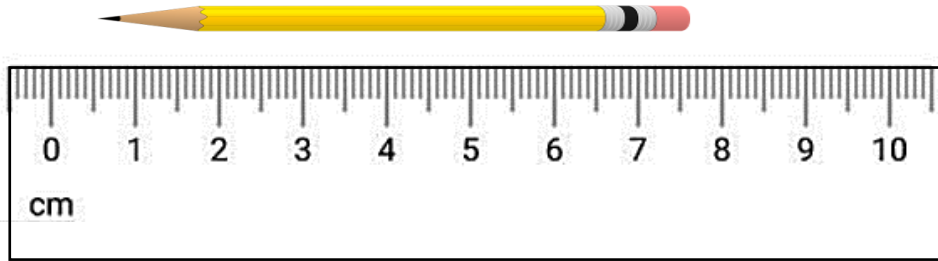


图 5
Diagram 5

这支铅笔的长度是多少厘米?
What is the length of this pencil in cm?

- A 7
- B 8
- C 9
- D 10

-
- 6 图 6 显示三张纸币。
Diagram 6 shows three banknotes.



图 6
Diagram 6

这三张纸币的总额是多少?
What is the total amount of these three banknotes?

- A RM13
- B RM26
- C RM31
- D RM41

-
- 7 $185 + 654 =$

- A 739
- B 839
- C 893
- D 938

- 8 图 7 显示大华开始午餐的时刻。他用了 45 分钟吃午餐。他什么时刻吃完午餐?
Diagram 7 shows the time Da Hua started his lunch. He spent 45 minutes having his lunch. What time did he finish eating his lunch?

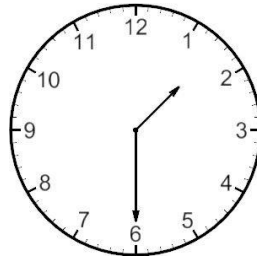


图 7

Diagram 7

- A 1: 30 p.m.
B 6: 07 p.m.
C 2: 15 p.m.
D 6: 52 p.m.

- 9 图 8 显示一张分数卡。
Diagram 8 shows a fraction card.

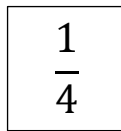


图 8

Diagram 8

哪一个分数的值比图 8 的分数大?

Which of the following fractions has a value greater than the fraction in Diagram 8?

- A $\frac{1}{8}$
B $\frac{1}{3}$
C $\frac{1}{6}$
D $\frac{1}{5}$

- 10 快乐蛋糕店在上个星期烘焙了 874 个面包。这个星期烘焙的面包数量比上个星期多 67 个。这两个星期共烘焙多少个的面包?

Happy Bakery baked 874 breads last week. The number of breads baked this week is 67 more than the number of breads baked last week. How many breads were baked altogether in two weeks?

- A 807
B 941
C 1748
D 1815

11-20 题，每题 4 分

Question 11-20, 4 marks are given for each question

- 11 大华每天喝 2 升的白开水，而他的哥哥每天喝 3 升的白开水。一个星期后大华和他的哥哥共喝了多少升的白开水？

Da Hua drinks 2 litres of water per day while his elder brother drinks 3 litres of water per day. How many litres of water did both of them drink altogether in a week?

- A 5
- B 14
- C 21
- D 35

- 12 图 9 显示一个秤

Diagram 9 shows a weighing balance.

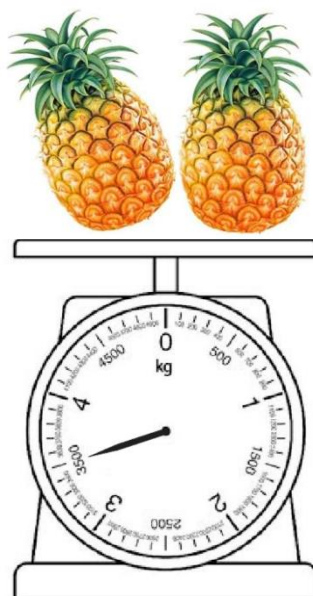


图 9

Diagram 9

3 个同样的凤梨大概多少克？

What is the average weight of 3 identical pineapples in g?

- A 1000 g 至 2000 g 之间
Between 1000g and 2000g
- B 2000 g 至 3000 g 之间
Between 2000g and 3000g
- C 3000 g 至 4000 g 之间
Between 3000g and 4000g
- D 4500 g 至 5500 g 之间
Between 4500g and 5500g

-
- 13 小丽打算在屋子的旁边种一些蔬菜。她打算种4排，每一排有8棵蔬菜。她一共种了多少棵蔬菜？

Lily intends to plant some vegetables in her house yard. She plans to plant 4 rows with each row having 8 vegetables. How many vegetables will she plant altogether?

- A 2
- B 4
- C 12
- D 32

-
- 14 李妈妈打算把RM60平分给5个孩子。每个孩子得到多少钱？

Mother Lee plans to split RM 60 equally among 5 children. How much will each child get?

- A RM5
- B RM10
- C RM12
- D RM15

-
- 15 学校的上课时间是上午7时40分。小轩从家里出发到学校的时间需要15分钟。小轩最迟必须什么时刻从家里出发？

The school day starts at 7:40 in the morning. It takes Xiao Xuan 15 minutes to travel from home to school. What time does Xiao Xuan have to leave the house so that he can reach the school on time?

- A 7时20分 7:20 in the morning
- B 7时25分 7:25 in the morning
- C 7时30分 7:30 in the morning
- D 7时55分 7:55 in the morning

-
- 16 陈阿姨卖出了78个包子后，还剩下126个包子。陈阿姨原有多过207个包子，对吗？请说明。

After Aunt Chen sold 78 steamed buns, there were 126 steamed buns left. Did Aunt Chen have more than 207 steamed buns at first? Please specify.

- A 对，因78加126等于208，208多过207
Yes, because adding 78 to 126 equals to 208, 208 is more than 207.
 - B 错，因126减78等于48，48少过207
No, because subtracting 78 from 126 equals to 48, 48 is less than 207.
 - C 错，因78加126等于204，204少过207
No, because adding 78 to 126 equals to 204, 204 is less than 207.
 - D 对，因126减78等于58，58少过207
Yes, because subtracting 78 from 126 equals to 58, 58 is less than 207
-

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- 17 一包白米的质量是 10kg, 一包糙米的质量是 5kg 和一包白糖的质量是 1kg。最重和最轻的质量相差多少 kg?

The weight of a packet of rice is 10kg. The weight of a packet of brown rice is 5kg while the weight of a packet of white sugar is 1kg. What is the difference between the heaviest and lightest items in kg?

- A 4
B 5
C 6
D 9

-
- 18 陈老师把 24 个足球平分放入 3 个篮子里。每个篮子里共有几个球?

Teacher Chen puts 24 footballs into 3 baskets equally. How many footballs are there in each basket?

- A 8
B 12
C 21
D 27

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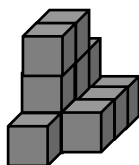


图 10
Diagram 10

明强把正方体的积木如图 10 那样排列。明强共用了多少个正方体?

Ming Qiang arranged the cube wooden blocks as shown in Diagram 10. How many cubes did Ming Qiang use altogether?

- A 7
B 9
C 10
D 12

-
- 20 1kg 的蔬菜比 1kg 的鱼便宜 RM2。妈妈用了 RM20, 她可能买了那些东西?

1kg of vegetables is RM 2 cheaper than 1kg of fish. What could Mother buy with RM 20?

- A 2 kg 蔬菜和 3 kg 的鱼
2 kg of vegetables and 3kg of fish
B 3 kg 蔬菜和 4 kg 的鱼
3 kg of vegetables and 4 kg of fish
C 1 kg 蔬菜和 2 kg 的鱼
1 kg of vegetables and 2 kg of fish
D 2 kg 蔬菜和 2 kg 的鱼
2 kg of vegetables and 2 kg of fish
-

21-30 题, 每题 5 分

Question 21-30, 5 marks are given for each question

- 21 把四百四十六写成数字。
Write four hundred and forty-six in number form.

- 22 图 11 是一个综合图形。
Diagram 11 shows a combined shape.

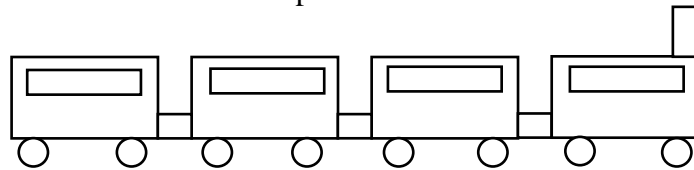


图 11

Diagram 11

- 图 11 由_____个长方形和_____个圆所组成。
Diagram 11 is made up of _____rectangles and _____ circles.

- 23 图 12 显示一张分数卡片。
Diagram 12 shows a fraction card.

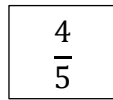


图 12

Diagram 12

- 写出一个比图 12 的分数小的小数。
Write a fraction that is smaller than the fraction in Diagram 12.

- 24 图 13 显示一些纸币。
Diagram 13 shows several banknotes.



图 13

Diagram 13

木度总共有 6 张以上的三种纸币, 总额少过 RM50 但多过 RM30, 他可能有几张 RM10、RM5 和 RM1?

Muthu has 6 pieces of the three types of banknotes above. The total amount is less than RM 50 but more than RM 30. How many pieces of RM 10, RM 5, and RM 1 does he possibly have?

- 25 学校礼堂原本有 167 张桌子，后来学校又添购了 28 张桌子。现在学校有多少张桌子？

The school hall had 167 tables at first. The school bought 28 tables after that. How many tables does the school have now?

- 26 梅姨原有 8 升的橙汁。她请客人喝了 3 升的橙汁。她和家人喝了 4 升，还剩多少升的橙汁？

Aunt Mei had 8 litres of orange juice at first. She treated her guests 3 litres of orange juice. She and her family drank 4 litres of orange juice. How many litre(s) of orange juice are left?

- 27 三盒罐子有 75 颗糖果。小优打算把糖果分给 9 位朋友。每人会得到多少颗糖果？她还剩下几颗糖果？

Three containers have 75 sweets. Xiao You plans to give her sweets to 9 friends. How many sweets will each friend get? How many sweets does she have left?

- 28 图 14 显示二蓝班学生喜欢的运动的条形统计图。

Diagram 14 shows a bar chart of the favourite sports of students in Year 2 Blue.

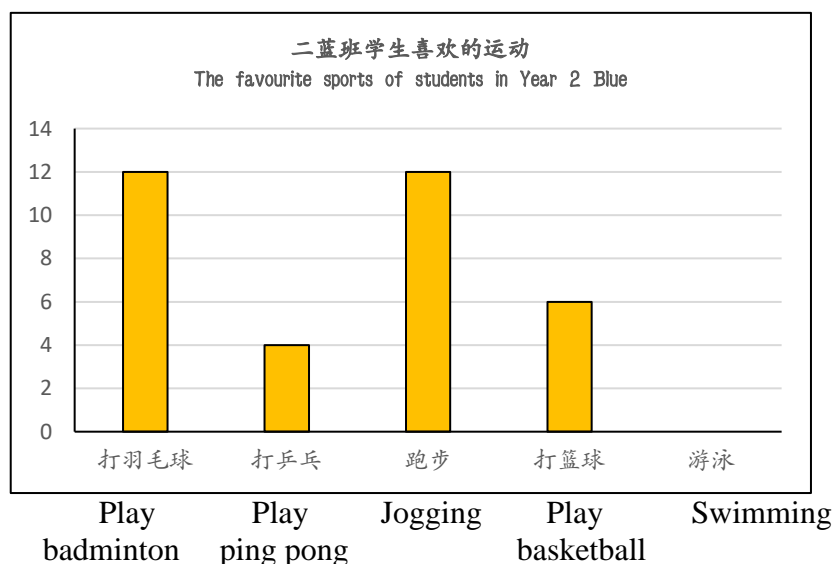


图 14

Diagram 14

二蓝班共有 40 位学生。喜欢游泳的学生有多少人？

There are 40 students in Year 2 Blue. How many students like swimming?

-
- 29 育才学校的三楼有 8 间课室。每一间课室可安装 6 至 8 盏电灯。育才学校三楼最多可安装多少盏电灯?

SJK(C) Yuk Chai has 8 classrooms on the third floor. 6 to 8 electric bulbs are installed in each classroom. How many electric bulbs can be installed on the third floor of the school?

-
- 30 小华有 19 张邮票，小志有 27 张邮票，小志要给小华 6 张邮票，才能使他们两人有一样多的邮票，对吗和？请计算证明。

Xiao Hua had 19 stamps while Xiao Zhi had 27 stamps. After Xiao Zhi gave 6 stamps to Xiao Hua, both of them have the same number of stamps now. Is it right? Please specify.

(在正确的空格打“/”并填写答案)

(Tick the correct box and fill in the answer.)

答: 对，因为小志给了小华_____张邮票后两人都有_____张邮票。

Answer:

Yes, because after Xiao Zhi gave Xiao Hua _____ stamps, both of them have _____ stamps.

错，因为小志给了小华_____张邮票后，小志剩下_____张邮票，而小华有_____张邮票，两人的邮票数量不一样。

No, because after Xiao Zhi gave Xiao Hua _____ stamps, Xiao Zhi will have _____ stamps left while Xiao Hua will have _____ left. Both of them do not have the same number of stamps.

完

~TAMAT~

END