



EMC 数学检定考试比赛 2019

EDUKIDS MATHEMATIC CONTEST

一年级/ Standard 1

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

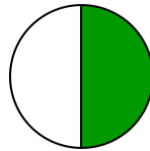
三十八
Thirty-eight

比以上数目多 1 的数目是多少?

Which number is greater than the number above by 1?

- A 37
- B 39
- C 307
- D 309

2



上图涂黑的部分是_____。

The shaded part in the diagram is _____.

- A 二分之一
one half
- B 一刻
15 minutes
- C 三分之一
one third
- D 三刻
45 minutes

3



几张以上纸币才等于 RM10?

How many banknotes above are required so that the amount will be equivalent to RM 10?

- A 1
 - B 2
 - C 3
 - D 4
-

4 $RM3.30 + 120 \text{ 仙} =$
 $RM 3.30 + 120 \text{ cent} =$

- A RM2.10
- B RM210
- C RM4.50
- D RM450

5 八月之后是_____月。
 The month after August is _____.

- A 七月
 July
- B 八月
 August
- C 九月
 September
- D 十月
 October

6

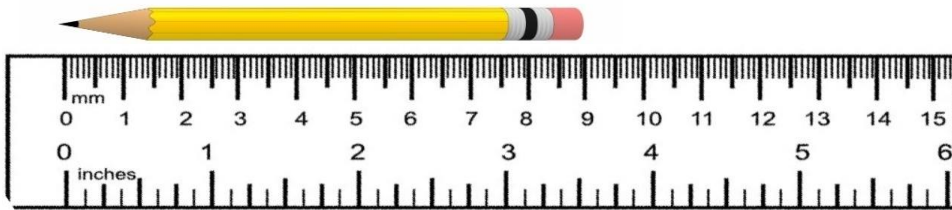


图 1

Diagram 1

图 1 所示的铅笔长度是多少?

What is the length of the pencil shown in Diagram 1?

- A 1 cm
- B 3 cm
- C 8 cm
- D 9 cm

7 $25 + 25 =$

- A 5
- B 10
- C 50
- D 100

8 $38 - 12 =$

- A 22
- B 26
- C 40
- D 50

9 $12 + 16 = 9 +$

应该填上什么数目?

Which number should be filled in the box?

- A 19
- B 29
- C 27
- D 56

10 图 2 显示由数个正方体组成的立体。

Diagram 2 shows a three-dimensional shape made out of several cubes.

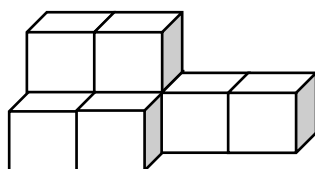


图 2

Diagram 2

图 2 由几个正方体所组成?

How many cubes are needed to form the shape in Diagram 2?

- A 6
- B 8
- C 10
- D 12

11-20 题, 每题 4 分

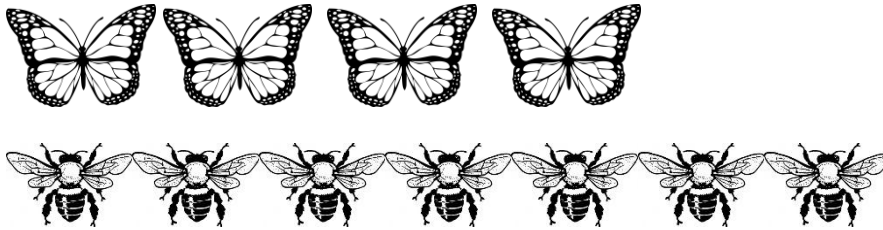
Question 11-20, 4 marks are given for each question

11 小华和小安各有 20 本练习簿。小安给了小华 8 本后, 小安与小华的练习簿数量相差多少本?

Xiao Hua and Xiao An each have 20 workbooks. After Xiao An gave 8 of his workbooks to Xiao Hua, what is the difference between the workbooks Xiao An and Xiao Hua have now?

- A 8
 - B 12
 - C 16
 - D 28
-

12



上图有两种昆虫。蝴蝶还是蜜蜂比较多？多多少只？

The diagram above shows two types of insects. Which insect is more in terms of quantity, butterfly or bee? By how many?

- A 蜜蜂，多三只。
Bee, three more than the number of butterflies.
- B 蝴蝶，多三只。
Butterfly, three more than the number of bees.
- C 蜜蜂和蝴蝶一样多。
The number of bees and butterflies are the same.
- D 蜜蜂比较少。
The number of bees is fewer.

13

西迪阿姨售卖的椰浆饭数量

The quantity of Nasi Lemak sold by Aunty Siti

星期一 Monday	
星期二 Tuesday	
星期三 Wednesday	
星期四 Thursday	

表示 10 包
represents 10 packets

上图所示是西迪阿姨四天里售卖的椰浆饭数量。最多与最少的椰浆饭数量相差多少？

The diagram above shows the quantity of Nasi Lemak sold by Aunty Siti in four days. What is the difference between the least and the greatest number of Nasi Lemak sold?

- A 10
B 20
C 30
D 40

- 14 一个篮子里有苹果和梨子，梨子有 52 个。苹果比梨子多 4 个。共有几个苹果？
A basket has apples and pears with 52 pears in it. There are 4 apples more than pears.
How many apples are there altogether?

A 24
B 28
C 48
D 56

- 15 晓丽有 RM6.00，她会买哪三种棒棒糖？说出你的理由？
Xiao Li has RM 6.00. Which three types of lollipops will she buy? Explain your reasoning.



A 棒棒糖	B 棒棒糖	C 棒棒糖	D 棒棒糖
Lollipop A	Lollipop B	Lollipop C	Lollipop D
RM1.00	RM2.00	RM3.00	RM4.00

- A A 棒棒糖、B 棒棒糖 和 D 棒棒糖；因为她喜欢吃这三种棒棒糖。
Lollipop A, Lollipop B, and Lollipop D because she likes these three types of lollipops.
- B B 棒棒糖、C 棒棒糖 和 D 棒棒糖；因为她不喜欢吃 A 棒棒糖。
Lollipop B, Lollipop C, and Lollipop D because she does not like to eat Lollipop A.
- C A 棒棒糖、B 棒棒糖 和 C 棒棒糖；因为她只有 RM6.00。
Lollipop A, Lollipop B, and Lollipop C because she only has RM 6.00.
- D A 棒棒糖、C 棒棒糖 和 D 棒棒糖；因为她够钱买这三种棒棒糖。
Lollipop A, Lollipop C, and Lollipop D because she has enough money to buy these three types of lollipops.
- 16 一间房间有四面墙。油漆一面墙壁需要 15 分钟。油漆四面需要多少时间？
A room is surrounded by four walls. It requires 15 minutes to paint each wall. How long will it take to paint all four walls?

A 15 分钟
15 minutes
B 30 分钟
30 minutes
C 45 分钟
45 minutes
D 60 分钟
60 minutes

-
- 17 在一个星期里，小明吃了 25 颗巧克力，小明的弟弟比小明多吃了 8 颗。他们共吃了多少颗巧克力？

Within a week, Xiao Ming ate 25 pieces of chocolates while Xiao Ming's younger brother ate 8 pieces more than Xiao Ming. How many pieces of chocolates have both of them eaten altogether?

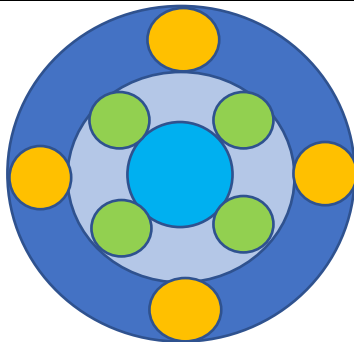
- A 17
- B 33
- C 42
- D 58

-
- 18 哥哥养了 25 条孔雀鱼。哥哥给了弟弟 7 条后，两人的孔雀鱼数量就变成相同。弟弟原本有几条孔雀鱼？

Elder brother rears 25 guppies. Elder brother gave 7 guppies to his younger brother and both of them have the same number of guppies now. How many guppies did his younger brother have at first?

- A 11
- B 18
- C 32
- D 175

19



上图是由几个圆所组成？

How many circles are needed to form the shape above?

- A 8
- B 10
- C 11
- D 12

-
- 20 从 0 至 100，小爱共写了几次 0？

From 0 to 100, how many times has Xiao Ai written 0?

- A 3
- B 10
- C 11
- D 12

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

21



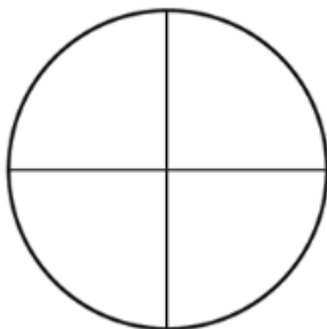
图 3

Diagram 3

计算上图所有甲虫背上的黑点总数量。

Count the total number of dark spots on the beetles shown in the diagram above.

22



把上图的 $\frac{3}{4}$ 涂黑。

Shade $\frac{3}{4}$ of the diagram above.

23 这是一条数列。

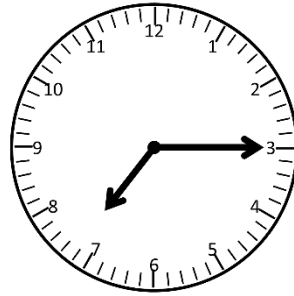
This is a number sequence.

19, 18, 17, (), (), 14。

按照规律填上括弧内的数。

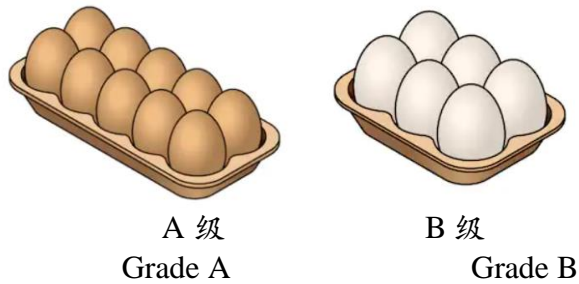
According to the pattern above, fill in the brackets with the appropriate numbers.

- 24 下图显示小明早晨上学的时刻。
The diagram below shows the time Xiao Ming goes to school in the morning.



写出小明上学的时刻。
Write down the time Xiao Ming goes to school.

25



上图显示两种等级的鸡蛋。
一托 A 级鸡蛋和两托 B 级总共有多少个?
The diagram above shows eggs with two different grades. How many eggs are there altogether in a tray of Grade A eggs and two trays of Grade B eggs?

- 26 小爱和妈妈去电影院买票看戏。从前面数，小爱排在第 5；从后面数，小爱在第 3 人。共有几人排队买票?
Xiao Ai and her mother bought movie tickets at the cinema. Counting from the front, Xiao Ai was in the 5th position; counting from the back, Xiao Ai was in the 3rd position. How many people were queuing up to buy movie tickets altogether?

-
- 27 今年，小强的妈妈比小强大 25 岁。当小强 15 岁时，她的妈妈几岁？
Xiao Qiang's mother is 25 years older than Xiao Qiang this year. When Xiao Qiang is 15 years old, how old will his mother be?

-
- 28 老师在一班少过 20 人但多过 9 个人的班上把 38 粒橙分给学生。如果分给每人 3 个会剩下 2 个。班上可能有多少个学生？
A teacher distributed 38 oranges to a class that consists of less than 20 students but more than 9 students. If the teacher gave each of them 3 oranges, there would be 2 left. What is the possible number of students in the class?

-
- 29 一本故事书有 55 页。小丽上午阅读了 12 页，下午又阅读了 15 页。还有几页没阅读完？
A storybook has 55 pages. Xiao Li reads 12 pages in the afternoon and 15 more pages in the evening. How many pages has she not read yet?

-
- 30 哥哥买了一枝铅笔和一盒颜色笔用去了 RM9。弟弟买了一枝相同的铅笔和一盒蜡笔用去了 RM7。一盒颜色笔和一盒蜡笔，哪个比较贵？贵多少？
Elder brother used up RM 9 to buy a pencil and a box of colour pencils. His younger brother used up RM 7 to buy an identical pencil and a box of crayons. Which one is more expensive, a box of colour pencils or a box of crayons? By how much?
-

完

~TAMAT~

END