



## ข้อสอบแข่งขัน



MATH ENG ครั้งที่ 1 / 2558

ระดับชั้นประถมศึกษาปีที่ 6

สอบวันเสาร์ที่ 10 ตุลาคม พ.ศ. 2558

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วันอาทิตย์ที่ 1 พฤศจิกายน พ.ศ.2558

รับรางวัล วันเสาร์ที่ 19 ธันวาคม พ.ศ.2558

ณ หอประชุมพิมานเนศวร เวลา 9.30 - 12.00 น.

**คำชี้แจง :** ทำข้อสอบเวลา 13.00 - 15.00น.โดยเขียนคำตอบในกระดาษเขียนตอบ  
ทศในตัวข้อสอบ และนำข้อสอบกลับบ้านได้

1

Prim, Ploy and Pat shared 120 beads. Prim took 18 beads.  
Pat took three times as many as the total number of beads Prim  
and Ploy took. How many beads did Ploy receive ?

2

John is 13 years old and his mother is 41 years old.  
In how many years times will their total age be 100 years old ?

3

A fruiterer put some mangoes in boxes of 12 and some oranges in boxes of 10. He sells each mangoes box for 200 baht and each oranges box for 150 baht. He earns a total of 3,000 baht.

If he sells three times as many mangoes boxes as oranges boxes, how many fruit does he sell altogether ?

4

Miki has 14 birds and dogs altogether. The total number legs of birds have 4 more than the total number legs of dogs.

How many dogs does she have ?

5

A pen costs 7 baht more than an eraser.

The total cost of 4 pens and an eraser is 68 baht.

What is the total cost of 8 pens and 8 erasers ?

6

If Jin bought 5 similar books, she would be short of 90 baht.  
If she bought 3 similar books and 2 similar pens, she would have 70 baht left. If each pen cost 40 baht, how much money did she have ?

7

Jojo earns 2.50 baht for every pen he sells. He earns an extra 5 baht for every 10 pens he sells. How many pens must he sell in order to earn 135 baht ?

8

There were 195 beads altogether in boxes A, B and C. After moving 18 beads from Box A to B, 25 beads from Box B to C and 7 beads from Box C to A, there was an equal number of beads in each box. How many beads were there in Box C at first ?

9

Pim, Ploy and Patty shared 180 stamps. Pim took 20 stamps.  
Patty took three times as many as the total number of stamps Pim and Ploy took. How many stamps must Patty give to Ploy so that both would receive the same number of stamps ?

10

The sum of John's age and his son's age is 68 years old this year.  
4 years ago, John was 4 times as old as his son.  
How old is John this year?

11

Plern spent  $\frac{4}{7}$  of her money in a shop. She bought a watch for 2,400 baht. She then gave  $\frac{5}{6}$  of the remainder to her son who spent  $\frac{3}{10}$  of money on a book. What was the cost of the book ?

12

Jom and Joy had 480 baht altogether. After Joy had given Jom  $\frac{2}{5}$  of her money, Jom had the same amount of money as Joy. How much money did Joy have at first ?

13

Joon saved 1,200 baht more than Prim.  $\frac{5}{9}$  of Prim's savings was the same as  $\frac{1}{3}$  of Joon's savings. How much did Prim save ?

14

There were 112 students in a room. When  $\frac{2}{3}$  of the boys and  $\frac{1}{2}$  of the girls left the room, there were twice as many boys as girls remained in the room. How many girls were there in the room at first ?

15

The number of Nack stamps is  $\frac{2}{3}$  of the number of Nin stamps. If Nack gives  $\frac{1}{4}$  of her stamps to Nin, what will be the ratio of the number of Nack stamps to the number of Nin stamps ?

16

Sandy, Cindy and Micky had 1,550 baht altogether.

Sandy spent  $\frac{3}{5}$  of her money. Cindy spent 350 baht and Micky

spent twice as much as Sandy had spent. If they had the same amount of money left, how much money did Micky have at first ?

17

A box contained some red, blue and green pens. For every 7 red pens, there were 4 blue pens. For every 6 blue pens, there were 5 green pens. Find the ratio of the number of red pens to the number of green pens.

18

Kim had 72 less stickers than Nick.  $\frac{2}{5}$  of Nick's stickers were equal to  $\frac{5}{8}$  of Kim's stickers. How many stickers did Nick have ?

19

Sompong, Somwong and Somdech had 1,680 baht altogether. Sompong spent  $\frac{1}{3}$  of his money. Somwong spent 600 baht and Somdech spent twice as much as Sompong had spent. If they had the same amount of money left. How much money did Sompong have at first?

20

The ratio of the number of Dang's mangosteens to the number of Jim's mangosteens was  $3 : 8$ . After Nick gave Dang 39 mangosteens, the ratio became  $2 : 1$ . How many mangosteens did Jim have ?

21

Pong had 450 baht more than Kim. Pong then gave  $\frac{1}{4}$  of his money to Kim. The ratio of the amount of money Pong had to the amount of money Kim had then became  $6 : 7$ . How much money did Pong have at first?

22

Cindy bought some oranges and mangoes in the ratio of 4:9.

After she ate  $\frac{3}{8}$  of oranges and 12 mangoes, the ratio of number of oranges to the number of mangoes became 1:3.

How many fruit did Cindy buy at first ?

23

Sompong, Somdech and Somwong shared some money.

Sompong received  $\frac{1}{3}$  of the sum of money. Somdech and

Somwong received the remaining of money in the ratio 2:3. If

Sompong received 1,200 baht more than Somdech , how much money did they have altogether?

24

A farmer had 800 ducks and 500 chickens. 200 chickens and ducks died in a flood. The farmer bought 50 more ducks .

As a result, there was 15% decrease in the number of ducks at first.

How many chickens had died in the flood ?

25

Patty bought 12 boxes of mangoes. There were 15 mangoes in each box. She sold 80% of them. 25% of the remainder had gone bad and thrown away. How much money was collected if she sold the mangoes at 3 for 40 baht?

26

There was a total of 450 guests at a party. 80% of them were adults while the rest were children. Some boys left before the dessert was served. As a result, the percentage of adults increased to 90% . How many boys had left before the dessert was served ?

27

Nuntachai left Bangkok at 6 am and arrived Nakhonsithammarat at 2 pm. His average speed for the whole journey was 120 km/h. For the first 75% of the journey, he drove at an average speed of 180 km/h. For the next 30% of the remaining journey, his average speed was 72 km/h. Find his average speed for the remaining part of the journey.

28

Nan had 20% fewer beads than Nok. When Nan gave 18 beads to Nok, the number of beads that she has left would be half of what Nok had. How many beads did Nan have at first?

29

Prim and Ploy had some stamps. Prim had 40% more stamps than Ploy. When Prim sold 60 stamps, both of them had an equal number of stamps.

How many stamps did each of them have at first?

30

In a school, 20% of the pupils walked to school. The remaining number of pupils took buses to school. The ratio of the number of pupils who took school buses to those who took public buses was 3 : 5. There were 720 more who took buses than who walked.

How many pupils took public buses to school?