

**CIE 2016 Math Comp Math Fun  
Answer Key**

**Name:** \_\_\_\_\_ **ID:** \_\_\_\_\_ **Grade:** 2  
**Room:** \_\_\_\_\_ **Start Time:** \_\_\_\_\_ **Finish Time:** \_\_\_\_\_

No.	Answer
1	C
2	B
3	D
4	B
5	B
6	C
7	D
8	D
9	C
10	A
11	B
12	D
13	C
14	D
15	D
16	A
17	D
18	C
19	C
20	D
21	B
22	B
23	A
24	B
25	C

No.	Answer
26	B
27	C
28	A
29	D
30	C
31	A
32	B
33	
34	
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# CIE-USA/DFW

## Math Competition 2016

**Grade 2**

30 questions

45 minutes

Notes:

1. Make sure to write all your answers on the answer sheet. Only the answer sheet will be graded.
2. Each question carries the same weight. If you get stuck on one question, move on and work on the easier problems first.
3. Bonus questions will be counted only when there is a tie using common questions.

Name (Please print) \_\_\_\_\_

Room (Please print) \_\_\_\_\_

4.

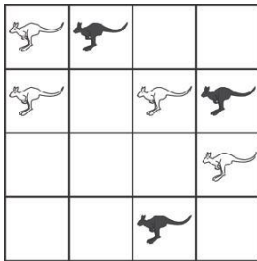
1. Julie leaves at 3:28 pm to watch a movie. She returns home at 8:28 pm. For how many hours was she gone?

- A. 3                                      B. 4                                      C. 5                                      D. 6

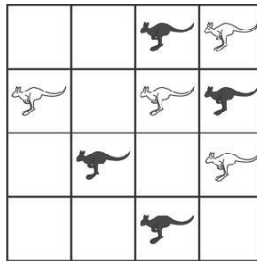
2. I have a seven in the ones place. I am greater than 158 but less than 173. What number am I?

- A. 157                                      B. 167                                      C. 171                                      D. 187

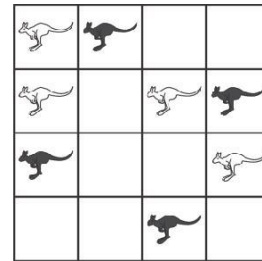
3. In which figure is the number of black kangaroos greater than the number of white kangaroos?



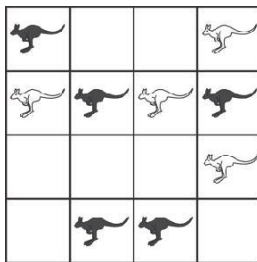
(A)



(B)



(C)



(D)

4. What is  $1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 + 9 + 10$  ?

- A. 45                                      B. 55                                      C. 100                                      D. 110

5. Which order of quantity is correct?

- A.  $1 < \frac{1}{2} < \frac{2}{3}$                                       B.  $1 > \frac{2}{3} > \frac{1}{2}$                                       C.  $1 < \frac{2}{3} < \frac{1}{2}$                                       D.  $\frac{2}{3} > 1 > \frac{1}{2}$

6. What is  $547 + 312 + 453 + 688$ ?

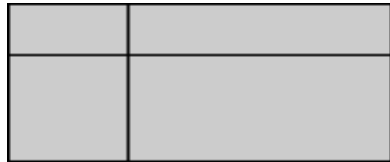
A. 1890

B. 1970

C. 2000

D. 2130

7. How many rectangles are there in the following drawing?



A. 4

B. 5

C. 6

D. 9

8. Which equation is NOT correct?

A.  $3 \times 4 = 2 \times 6$

B.  $18 \div 3 = 2 \times 3$

C.  $5 \times 7 = 70 \div 2$

D.  $6 \times 8 = 12 \times 3$

9. Vero's mother prepares sandwiches with two slices of bread each. A package of bread has 24 slices. How many sandwiches can she prepare from 5 packages of bread?

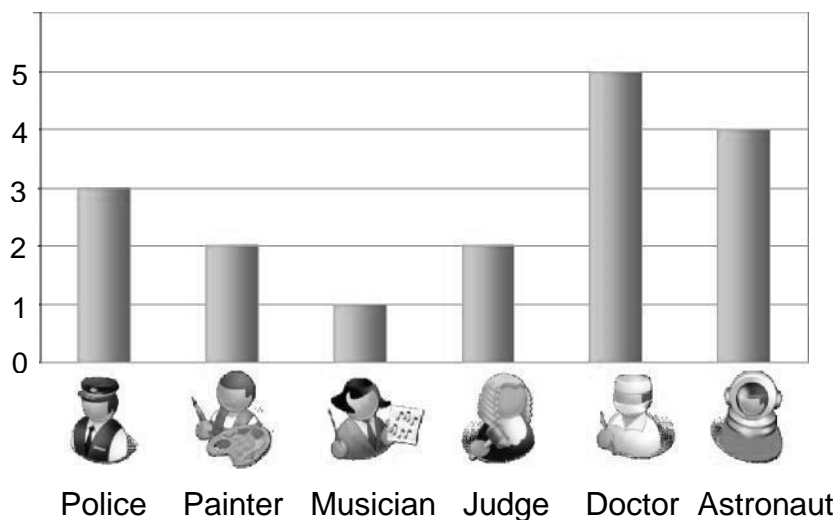
A. 15

B. 30

C. 60

D. 90

10. Noah's teacher asked the students in his class what they wanted to do when they grew up. The results of the survey are displayed below. How many students want to be a painter, musician, or astronaut in the class?



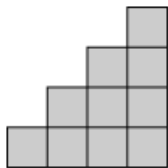
A. 7

B. 8

C. 9

D. 10

11. Look at the pattern below with 1 inch square. More vertical columns are added to the right, following the same pattern. The last column is 6 squares tall. How many squares are there in total in the figure that are 1 inch square?



- A. 15                      B. 21                      C. 28                      D. 36

12. Jack is thinking of 2 numbers whose sum is 12 and whose difference is 4. What is the product of the 2 numbers?

- A. 12                      B. 16                      C. 24                      D. 32

13. Consider at the following numbers. Which description is correct?

8 5 7 2 1 2 4

- A. Mode = 7                      B. Range = 6                      C. Median = 4                      D. None of the Above

14. About the number 325, five boys say:

Andrei: "This is a 3-digit number"

Boris: "All digits are different"

Chris: "The units digit is 5"

Danny: "All digits are odd"

- Which of the boys is wrong?

- A. Andrei                      B. Boris                      C. Chris                      D. Danny

15. 177 minutes after 1:00 pm is how many minutes before 5:00 pm?

- A. 13                      B. 23                      C. 33                      D. 63

16. I am an integer greater than 15. If you multiply me by 5, you will get a number less than 90. If you divide me by 2, you get an integer. What am I?

- A. 16                                      B. 17                                      C. 18                                      D. 20

17. Schoolmates Andy, Betty, Cathie and Dannie were born in the same year. Their birthdays were on February 20th, April 12th, May 12th and May 25th, not necessarily in this order. Betty and Andy were born in the same month. Andy and Cathie were born in the same day of different months. Who of these schoolmates is the oldest?

- A. Andy                                      B. Betty                                      C. Cathy                                      D. Dannie

18. Which combination of addition and subtraction make this equation true?

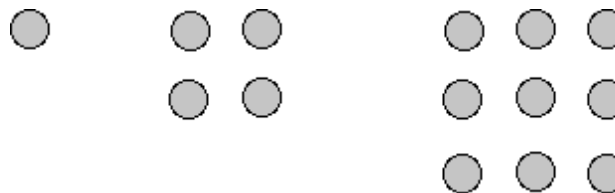
$$4 \square 3 \square 2 \square 1 = 8$$

- A. +, -, +                                      B. -, +, -                                      C. +, +, -                                      D. +, +, +

19. There are three families in my neighborhood with three children each. Two of the families have twins. All twins are boys. In total, at most how many girls are in these families?

- A. 3                                      B. 4                                      C. 5                                      D. 6

20. Look at the following groups of circles. With respect to the pattern, how many circles should there be in the 4<sup>th</sup> group?



- A. 10                                      B. 12                                      C. 14                                      D. 16

21. Ryan is decorating his kitchen floor with square tiles. His kitchen floor is in the shape of a square. If he uses 5 tiles to decorate one side, how many more tiles will he need for the entire floor?

- A. 9                                      B. 20                                      C. 25                                      D. 49

22. Elena writes a correct calculation. Then she covers two digits which are the same with a sticker. What is the digit?

$$4\boxed{\phantom{0}} + 5\boxed{\phantom{0}} = 104$$

- A. 2                                      B. 7                                      C. 8                                      D. 9
23. Francis, Neal, Armand, and Lloyd want to play ball. The current time is 4:00 pm. Francis wants to play basketball for 1 hour and 20 minutes, Neal wants to play baseball for 50 minutes, Armand wants to play soccer for 65 minutes, and Lloyd wants to play tennis for 1 hour and 15 minutes. When mom arrives at 10 minutes past 5:00 pm to pick them up, who will be finished playing?
- A. Neal and Armand      B. Francis and Neal      C. Neal and Lloyd      D. Francis and Lloyd
24. Monica arrived at the Adventure Camp on July 25th in the morning and left the camp on August 3rd in the afternoon. How many nights did she sleep in the camp?
- A. 7                                      B. 9                                      C. 10                                      D. 30
25. The second graders share candies that come in bags. Each bag has 10 candies. There are 20 students in all. How many bags of candy will the teachers need to get so each student gets 15 candies?
- A. 16                                      B. 20                                      C. 30                                      D. 40
26. On Carpenter's farm, there are only 2 legged chickens and 4 legged cows. If he counts a total of 5 heads and 14 legs, how many cows does he have?
- A. 1                                      B. 2                                      C. 3                                      D. 4
27. Dirk Nowitzki has averaged 25 points per game over the last 4 games. How many points does he have to score in his next game in order to have averaged 26 points per game in his last 5 games?
- A. 26                                      B. 28                                      C. 30                                      D. 32
28. When Pinocchio lies, his nose gets 6 cm longer. When he tells the truth, his nose gets 2 cm shorter. When his nose was 9 cm long, he told three lies and made two true statements. How long was Pinocchio's nose afterwards?
- A. 23 cm                                      B. 24 cm                                      C. 33 cm                                      D. 39 cm

29. Hans fills the square table with numbers 1 through 9 in such a way that the sum of the numbers in each column is 15, the sum of the numbers in each row is 15, and the sum of the numbers in each diagonal is 15. What number will he put in place of the question mark in the diagram?

8		?
	5	7

A. 1

B. 2

C. 3

D. 6

30. Kevin's birthday is on Tuesday, August 9th. How many Wednesdays are there in the month of August that year?

A. 3

B. 4

C. 5

D. 6

BONUS QUESTIONS:

31. In the Adventure Park, 30 students took part in either one or two of the adventures. 15 of them participated in the "moving bridge" contest, and 20 of them went down the zip-wire adventure. How many of the children took part in both adventures?

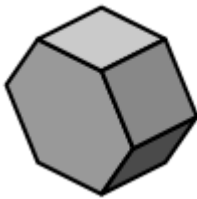
A. 5

B. 6

C. 7

D. 8

32. How many more vertices than faces does this solid have?



A. 2

B. 4

C. 5

D. 6