

CIE-USA/DFW

Math Competition 2010

Grade 2

30 questions

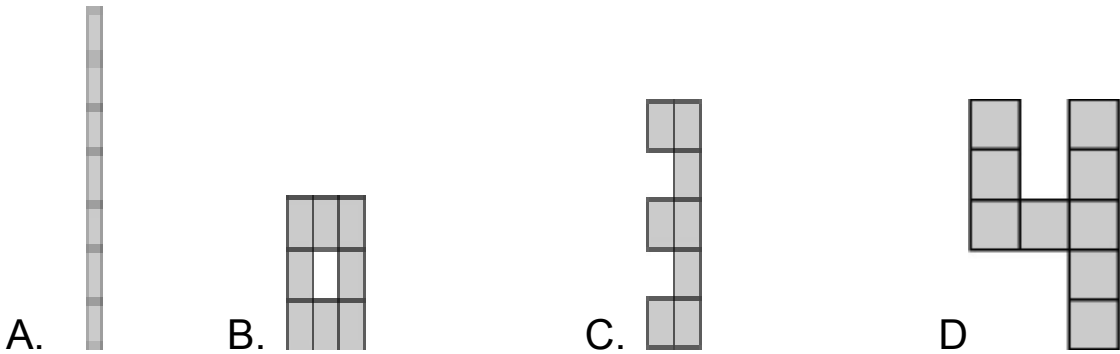
Time: 45 minutes

Note:

*Make sure to write all your answers on the answer sheet. Only the answer sheet will be graded.

*Each of the 30 questions carries the same weight, so if there is not enough time, work the easiest problems first.

- Beth has 7 nickels. She bought gum for 26 cents.
How many nickels does she have left?
A. one nickel B. two nickels
C. four nickels D. three nickels
- Which figure has a perimeter of 18 units and an area of 8 square units?



- A kitten ate 123 grams of food on Saturday and 321 grams of food on Sunday. What is the total amount of food the kitten ate during the weekend?
A. 432 B. 344 C. 444 D. 453
- What is the sum of three thousand two hundred five and six hundred forty?
A. three thousand, five hundred fifty-five
B. three thousand eight hundred, forty-five
C. three thousand five hundred ninety
D. three thousand eight hundred nineteen

5. How many circles are there?

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



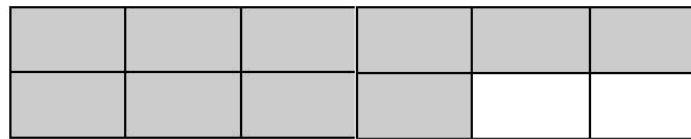
6. Kevin buys 3 bags of marbles (one of each color). Each marble weights 50 grams on average. How many grams do the bags weigh?

Marbles

Bag	Color	Weight (in grams)	Price (in dollars)
A	black	1050	\$10
B	green	550	\$6
C	gray	400	\$5

- A. 2000 grams B. 2050 grams
C. 2100 grams D. 2150 grams

7. The shaded parts of this model show how much cake is left after a carnival. Which answer describes how much cake is left?



- A. 2 out of 6 B. 10 out of 12 C. 2 out of 12 D. 6 out of 10

8. What is the smallest number you could make using all these numbers?

7 9 5
 3

- A. 3597 B. 3579 C. 9753 D. 3759

9. Anna arrived to the swimming pool at 9:00 A.M. and left at noon. How long was Anna there?

- A. 4 hours B. 7 hours C. 3 hours D. 5 hours

10. Some second graders share bags of cookies. Each bag has 6 cookies. There are 13 students in all. How many bags of cookies will they need so each student gets five cookies?

- A. 12 bags B. 11 bags C. 10 bags D. 9 bags

11. Jon is at the County Fair. He wants to go for rides on the Ferris wheel. Today he can ride 5 minutes for 3 tickets. He has 18 tickets left. How many minutes in all can Jon ride on the Ferris wheel?

- A. 25 B. 30 C. 35 D. 20

12. Mark put 37 cars in a box. He went shopping and bought 15 more cars. He put eight of those cars in the box also. How many cars does he have in the box now?

- A. 40 B. 37 C. 45 D. 43

13. Mark can put 8 crayons in each bag. He has 12 blue crayons, 11 yellow crayons, and 9 black crayons. How many bags does he need?

- A. 3 bags B. 4 bags C. 2 bags D. 5 bags

14. 135 minutes after 11:30 am is how many minutes before 2:00 pm?

- A. 18 B. 15 C. 20 D. 38

15. There are 3 triangles and 1 square. How many sides are there?

- A. 16 B. 14 C. 12 D. 13

16. John has 10 animals. 4 are lambs, 3 are pigs, and the rest are cows. How many cows does John have ?

- A. 2 B. 5 C. 3 D. 4

17. How many cells are there in the table?

1	2	3	4	5
2	3	4	5	6
3	4	5	6	7
4	5	6	7	8
6	7	8	9	10

- A. 20 B. 25 C. 36 D. 45

18. Jim counts number of eyes of his cows. There are 6 eyes.
How many cows does he have?

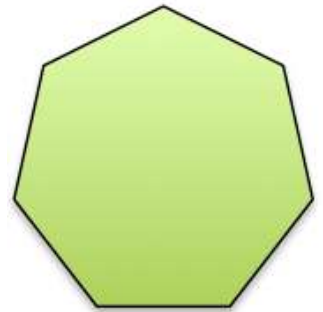
- A. 4 B. 3 C. 5 D. 2

19. John runs twice as fast as Ted. Ted can run to the barn in
12 minutes. How long would it take John to run to the
barn?

- A. 2 minutes B. 4 minutes C. 24 minutes D. 6 minutes

20. The shape has 7 angles. Divide it into triangles.
Find the minimal possible number of the
triangles

- A. 4 B. 5 C. 6 D. 7



21. Tom has 279 baseball cards. He has 92 more
cards than Jack. How many cards Jack have?

- A. 178 B. 187 C. 203 D. 198

22. How many stars are there?

- A. 16 B. 15 C. 17 D. 19



23. Mary and John buy a bag of 150 chocolates. They split the bag in half. Mary gives 36 chocolates to her friends and John eats 23 chocolates by himself. How many chocolates are left over?

- A. 36 B. 91 C. 78 D. 90

24. Mike is going to meet his friends to see a movie. It takes him 20 minutes to get to the movies and 35 minutes to complete his homework before he can go. The movie starts at 3:30 pm. At what time should he start his homework?

- A. 2:45 B. 2:35 C. 2:25 D. 2:15

25. Which number completes this equation?

$$\underline{\hspace{2cm}} + 14 = 9 + 20$$

- A. 13 B. 11 C. 16 D. 15

26. 4 tens + 2 tens = ?

- A. 20 B. 6 C. 42 D. 60

27. Maria wants to go to the movies. She needs \$32 for her ticket and snacks. She has half of the money she needs saved. If she earns \$4 every time she baby-sits, how many times must she baby-sit to earn the rest?

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

28. How many of the letters in the Russian alphabet have more than one line of symmetry

- A. 3 B. 5 C. 6 D. 7

А Б В Г Д Е Ж З
И К Л М Н О П Р
С Т У Ф Х Ц Ч Ш
Щ Ъ Ы Ь Э Ю Я

29. Susie scored 37 points in her first bowling game. She scored 20 points more in her second game than she did in her first. What was her total score for both games?

- A. 90 B. 94 C. 97 D. 96

30. Parents with vans were taking Mr. Axel's class to the zoo. The class has 31 students. If each van holds 7 students, how many vans were needed?

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