CIE-USA/DFW

Math Competition 2011

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.

Name _____

Room _____

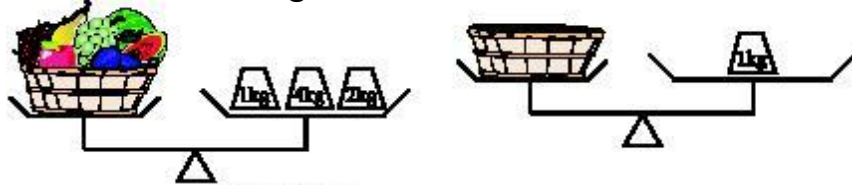1. Beth has 9 nickels and no other coins. She bought gum for 36 cents. How many nickels does she have left?

A. one nickel   B. two nickels
C. four nickels   D. three nickels

2. There are two horses, one duck, one fish, an eagle, and a boy in a private garden. How many legs do they have altogether?

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

3. There are three weights on the scales in the left picture: 1kg, 4 kg, 2 kg and just one weight of 1 kg on the scales in the right picture. What is the weight of the fruit in the basket?

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

4. Which set of signs +, - needs to be used to make this expression true?

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

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

5. What number is covered by ? in the last picture below?

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

6. Anne has some apples. Maria has 2 apples more than Anne. Altogether they have 8 apples. How many apples does Anne have?

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

7. Anna arrived to the swimming pool at 8:00 A.M. and left at 3:00 P.M. How long was Anna there?

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

8. Some second graders share bags of cookies. Each bag has 5 cookies. There are 11 students in all. How many bags of cookies will they need so each student gets six cookies?

A. 14 bags   B. 13 bags   C. 12 bags   D. 11 bags

9. 155 minutes after 9:30 am is how many minutes before 1:00 pm?

A.45   B.55   C.40   D.50

10. Monika is 2 years old and Karl is 4. How old will Monika be when Karl is 11?

A. 6   B. 7   C. 8   D. 9

11. Hans fills the square table with numbers in such a way that the sum of the numbers in each column is 15 and the sum of the numbers in each row is 15 and the sum on each diagonal is 15. What number will he put in place of ? ?

A. 1   B. 3   C. 2   D. 6

12. Susie scored 34 points in her first bowling game. She scored 28 points more in her second game than she did in her first. What was her total score for both games?

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

13. Parents with vans were taking Mr. Axel's class to the zoo. The class has 43 students. If each van holds 8 students, how many vans were needed?

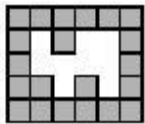A. 4   B.6   C. 5   D.3

14. 7 tens + 9 tens = ?

A. 120   B. 130   C. 150   D.160

15. Some pages are missing from an open book. On the left page you can see page number 12 and on the right page you can see page number 15. How many pages are missing?

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

16. How many more square tiles do we need to put on the kitchen floor to cover all of it? (See the picture.)

A. 12   B. 10   C. 9   D. 6

17. Helga is climbing stairs in such a way that she goes up 2 steps at a time. She is standing on the third step now. On which step will she be after she moves up 3 times?

A. 9   B. 1   C. 6   D. 5

18. A train has four cars in four colors: red, green, white and yellow. The green car is not the first nor the last. The yellow car is not next to the white car nor next to the red car. The first car is white. What is the order of the cars in that train?

A. white, green, red, yellow   B. white, yellow, green, red
C. green, yellow, red, white   D. white, red, green, yellow

19. Which four beads below need to be added to this string:

A) ⊂●○○●   B) ●○○●   C) ○○○●   D) ○○○○   E) ●●○○

20. Only one digit from 1 to 9 is repeated three times in this drawing.

The rest of the digits are repeated twice. Which digit is repeated three times?

A. 9   B. 8   C. 4   D. 7

21. 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

22. After the trainer's first whistle, the monkeys at the circus formed 4 rows. There were 4 monkeys in each row. After the second whistle, they rearranged themselves into 8 rows. How many monkeys were there in each row after the second whistle?

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

23. Tom has 285 baseball cards. He has 92 more cards than Jack. How many cards does Jack have?

A. 178   B. 187   C. 193   D. 198

24. What is the smallest possible number of children in a family where each child has at least one brother and at least one sister?

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

25. Which number completes this equation?

_____ + 17 = 9 + 23

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

26. Maria wants to go to the movies. She needs $36 for her ticket and snacks. She has half of the money she needs saved. If she earns $6 every time she baby-sits, how many times must she baby-sit to earn the rest?

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

27. Joan bought some cookies, each of which costs 3 dollars. She gave the salesperson 10 dollars, and received 1 dollar as change. How many cookies did Joan buy?

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

28. What is the largest number you could make using all of these 4 numbers?

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

9
7   5
3

29. Eva lives with her parents, her brother, one dog, two cats, two parrots, and four fish. What is the total number of legs that they have altogether?

A. 22   B. 24   C. 28   D. 32

30. Each of seven boys has paid the same amount of money for a trip. The total sum of what they paid is a three digit number, which can be written as 3▢0. What is the middle digit of this number?

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

Tie-breaker Questions:

31. Three dollars + 15 pennies = 1 dollar + ___ pennies?

A. 215   B. 175   C. 180   D. 200   E. 210

32. 20 hundred + 20 tens = ___ ones.
A. 2020   B. 220   C. 2002   D. 20220   E. 2200