

CIE-USA/DFW

Math Competition 2011

Grade 1

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 _____

Code _____

Room _____

Time End _____

1. Which number completes the fact family?

$$6 + 7 = 13$$

$$13 - 7 = 6$$

$$7 + 6 = 13$$

$$13 - 6 = \underline{\quad}$$

A. 12

B. 8

C. 5

D. 7

2. Jenny had 37 stickers. She buys 4 more and her mom gives her 7 more. If she puts 6 stickers on each page of her album, how many pages does she need?

A. 23

B. 8

C. 7

D. 10

3. Which set of numbers is arranged in order from greatest to least?

A. 378, 387, 390, 389, 389

B. 378, 390, 389, 398, 387

C. 398, 390, 389, 387, 378

D. 389, 389, 390, 387, 378

4. Tom's tennis game started at 4:30. It took 2 hours to play. What time did it end?

A. 5:00

B. 7:00

C. 6:30

D. 5:30

5. Mike buys 89 baseball cards. Later he buys 32 more cards. He gives 47 to his friend. How many cards does he have now?

A. 71

B. 74

C. 80

D. 82

6. Jason and Mark put 80 cookies in four bags. If they put the same number in each bag, how many cookies in each bag?

A. 18 cookies

B. 19 cookies

C. 20 cookies

D. 21 cookies

7. John had 6 toy cars. Then he got some more. Now he has 13 ones. How many cars did John get?

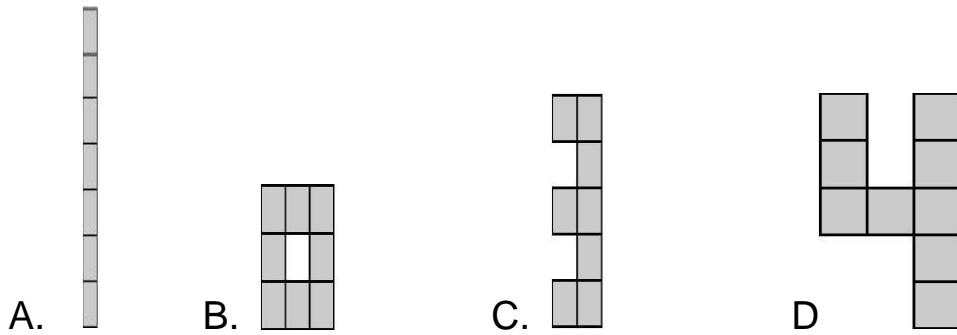
A. 6

B. 7

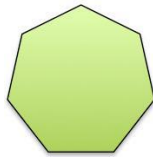
C. 8

D. 9

8. Which figure has a perimeter of 18 units and an area of 8 square units?



9. 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

10. Jim counts number of eyes of his cows. There are 10 eyes. How many cows does he have?

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

11. How many circles are there?



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

12. Anna has 18 strawberries. She eats 7 of them. Which number sentence shows how many strawberries Anna has left?

A. $18-7=11$

B. $18+7=25$

C. $18-11=7$

D. $11+7=18$

13. Tom writes a total of 45 words on 6 blank cards. He writes 7 words on each of the first 5 cards. How many words does Tom write on the last card?

A. 8

B. 9

C. 10

D. 11

14. Kate earned 36 stars. Jim earned 49 stars. How many more stars did Jim earn than Kate?

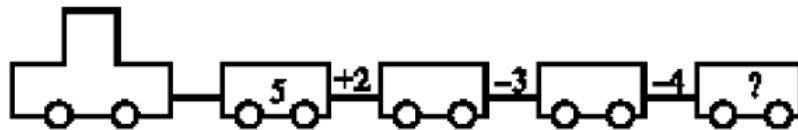
A. 10

B. 12

C. 13

D. 14

15. What number is hidden under the question mark in the picture below (on the last car)?



A. 7

B. 4

C. 0

D. 1

16. $5 - 4 + 3 - 2 + 1 = ?$

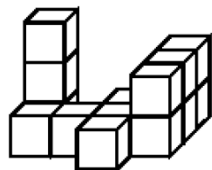
A. 1

B. 2

C. 3

D. 4

17. How many blocks were used to build the figure shown in the picture?



A. 7

B. 12

C. 13

D. 14

18. 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. 2 B. 1 C. 3 D. 4

19. One hen lays one egg a day. In how many days will two hens lay 6 eggs?

- A. 1 B. 6 C. 3 D. 9

20. 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

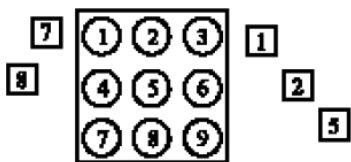
21. Anne has some apples. Maria has 1 apple more than Anne. Altogether they have 5 apples. How many apples does Anne have?

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

22. During the race, right before the finish line, I passed the runner who won the third place. What place did I win?

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

23. The sum of two digits, one from inside the square and one from outside the square is greater than 10. How many such pairs can you make?



- A. 19 B. 11 C. 16 D. 18

24. Mom must pick up Mary at 3:00 P.M. It is now 1:30 P.M. How much later than now will Mom pick up Mary?

- A. 1 hour
- B. 1 hour and 30 minutes
- C. 60 minutes
- D. 30 minutes

25. What number must be colored next to continue the pattern?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

- A. 16
- B. 17
- C. 19
- D. 20

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

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

27. Alma, Maria, Anne and Michael had 2 apples each. Each one ate one apple. How many apples do they now have altogether?

- A. 1
- B. 2
- C. 4
- D. 6

28. 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. 3
- D. 7

29. When Ann was born, Michael was 4. Now Ann is 3 years old. How old is Michael?

- A. 1 B. 7 C. 6 D. 8

30. What is the least number of coins needed to make 76 cents?

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

TIE BREAKER QUESTIONS:

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



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

32. Mary has 2 boxes of crayons. Each box has 8 crayons. She has 5 less crayons than Patty. How many crayons does Patty have?

- A. 20 B. 21 C. 22 D. 25