

Kangourou Sans Frontières
Math Kangaroo in USA

International Competition in Mathematics

MATH KANGAROO 2008

Thursday, March 27, 2008

Level 2

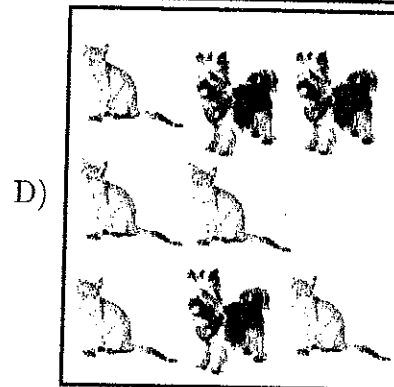
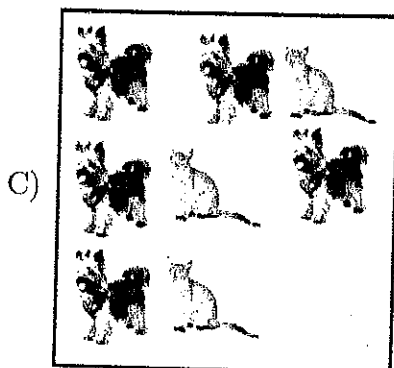
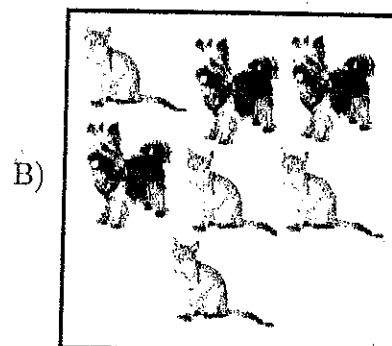
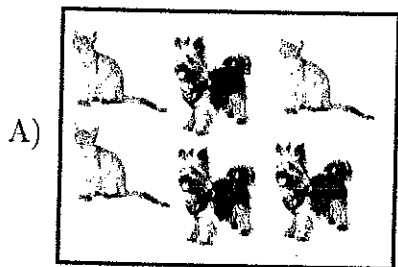
Time allowed: 60 minutes. No calculators allowed!

3 point each

1. $2 + 0 + 0 + 8 =$

- A) 0 B) 6 C) 10 D) 16

2. In which picture are there 2 more cats than dogs?



3. Johnny was making squares and rectangles using matches. He wanted to make each figure using 12 matches (he did not break any of the matches). In which figure did he make a mistake?

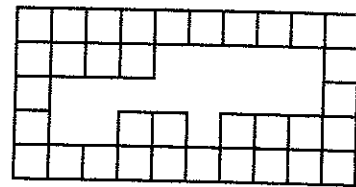


4. Ann's birthday was on a Thursday, and her friend Eva's birthday was 8 days earlier. What day of the week was that?

- A) Wednesday B) Thursday C) Friday D) Tuesday

5. How many little squares were removed from the figure? (See the figure on the right.)

- A) 12 B) 14 C) 15 D) 16



6. The little kangaroo's jump is 3 times shorter than his mother's jump. How many jumps does the little kangaroo need to make to travel the distance equal to seven of his mother's jumps?

- A) 10 B) 26 C) 21 D) 30

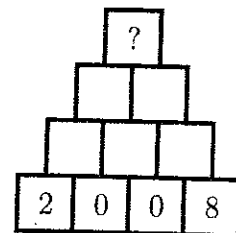
4 point each

7. A log that is 15 meters long needs to be cut into pieces that are three meters long. How many cuts need to be made?

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

8. In each square, we will write the sum of the numbers of the two squares under it which touch it. What number needs to be written in the square with the question mark?

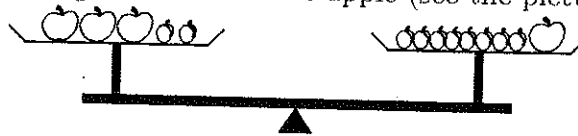
- A) 12 B) 14 C) 20 D) 10



9. Elma took 2 candy bars to school. First, she traded each of them for 4 apples, and then she traded each of the apples for 3 mandarin oranges. How many mandarin oranges did she have after this trading?

- A) $2 + 4 + 3$ B) $2 \times 4 + 3$ C) $2 + 4 \times 3$ D) $2 \times 4 \times 3$

10. How many plums weigh as much as one apple (see the picture below)?

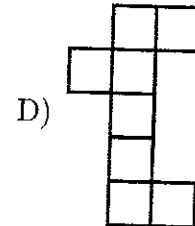
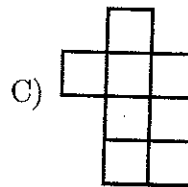
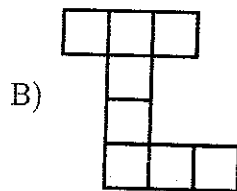
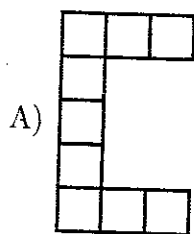
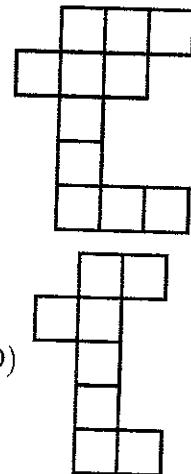


- A) 3 B) 1 C) 4 D) 2

11. Tom's dad is 4 years older than his mom. Right now, his dad is 37 years old. How old was his mother 10 years ago?

- A) 31 B) 23 C) 21 D) 20

12. Which of the figures below cannot be cut out from this figure:



5 point each

13. Adam paid \$6 for 15 buns. How many dollars did Tom pay for the same kind of buns if he bought 5 more of them?

- A) 7 B) 8 C) 9 D) 10

