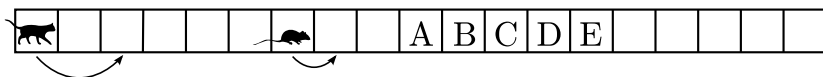


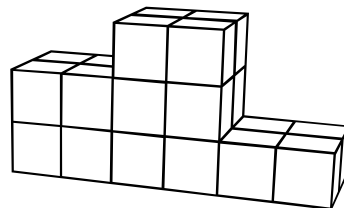
Questions for 5 points

13. Cat and Mouse are moving to the right. When Mouse jumps 1 tile, Cat jumps 2 tiles at the same time. On which tile does Cat catch Mouse?



- A) A B) B C) C D) D E) E

14. Peter built a podium (as in the picture). How many cubes did he use?



- A) 12 B) 18 C) 19 D) 22 E) 24

15. There are 5 children in a family. Kitty is 2 years older than Betty, but 2 years younger than Dannie. Teddy is 3 years older than Annie. Betty and Annie are twins. Who of them is the eldest?

- A) Annie B) Betty C) Dannie D) Kitty E) Teddy

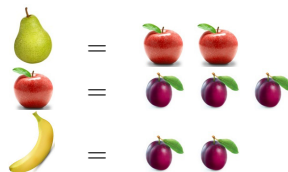
16. A square box is filled with two layers of identical square pieces of chocolate. Kirill has eaten all 20 pieces in the upper layer along the walls of the box. How many pieces of chocolate are left in the box?

- A) 16 B) 30 C) 50 D) 52 E) 70

17. Kasia has 3 brothers and 3 sisters. How many brothers and how many sisters does her brother Mike have?

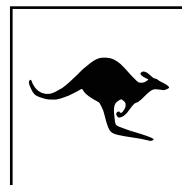
- A) 3 brothers and 3 sisters B) 3 brothers and 4 sisters C) 2 brothers and 3 sisters
D) 3 brothers and 2 sisters E) 2 brothers and 4 sisters

18. In a game it is possible to make the following exchanges:



Adam has 6 pears. How many bananas will Adam have, when he trades all his pears for just bananas?

- A) 12 B) 36 C) 18 D) 24 E) 6



KANGAROO 2013



Time allowed: 50 min
Calculators are not permitted

Nipper
1–2 grades

Questions for 3 points

1. Which digits are missing?



- A) 3 and 5 B) 4 and 8 C) 2 and 0 D) 6 and 9 E) 7 and 1

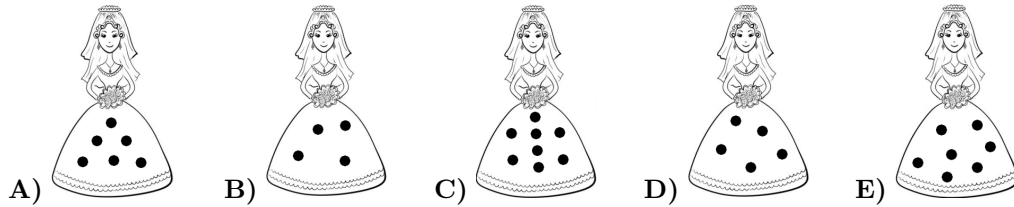
2. There are 12 books on a shelf and four children in a room.



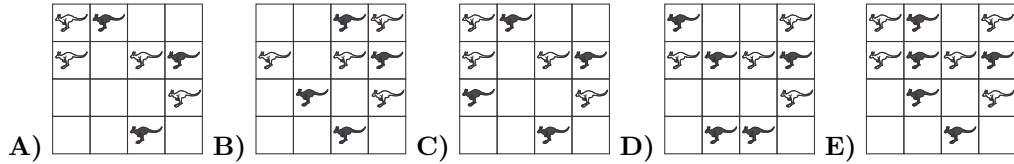
How many books will be left on the shelf if each child takes one book?

- A) 12 B) 8 C) 4 D) 2 E) 0

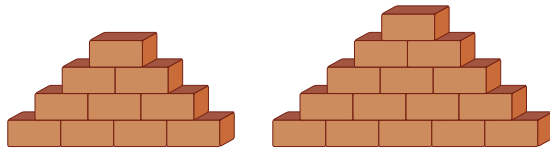
3. Which of the dresses has less than 7 dots, but more than 5 dots?



4. In which figure is the number of black kangaroos bigger than the number of white kangaroos?



5. How many more bricks are there in the larger stack?



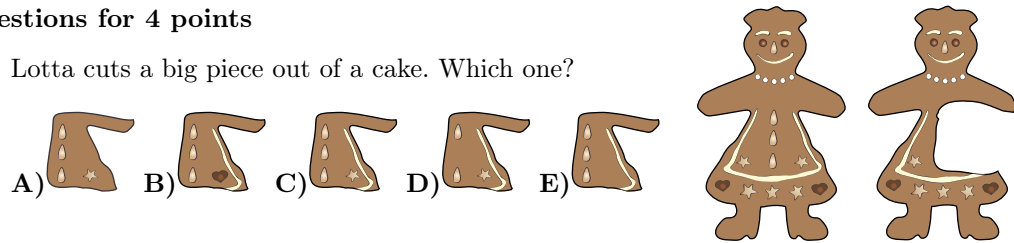
A) 4 B) 5 C) 6 D) 7 E) 10

6. Ana has one coin of 5 cents, one coin of 10 cents, one coin of 20 cents and one coin of 50 cents. How many different values can she make with these coins?

A) 4 B) 7 C) 10 D) 15 E) 20

Questions for 4 points

7. Lotta cuts a big piece out of a cake. Which one?



8. Ann has . Barb gave Eve . Jim has . Bob has . Who is Barb?



9. Father gives 5 apples to each of his three children. Ana gives 3 apples to Sanja and then Sanja gives half of all her apples to Mihael. How many apples does Mihael have now?

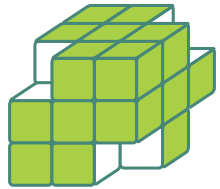
A) 4 B) 5 C) 7 D) 8 E) 9

10. George has 2 cats of the same weight. What is the weight of one cat if George weighs 30 kilograms?

A) 1 kilogram B) 2 kilograms C) 3 kilograms
D) 4 kilograms E) 5 kilograms

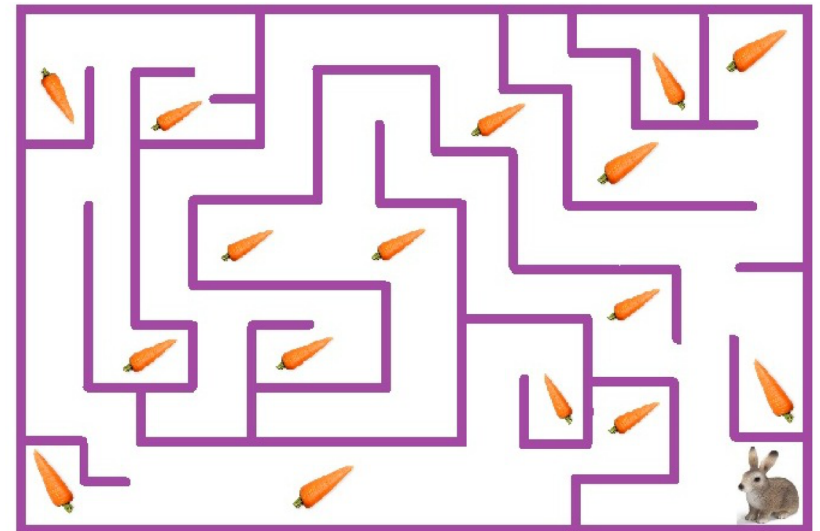


11. Ania makes a large cube from 27 small white cubes. She paints all the faces of the large cube green. Then Ania removes a small cube from four corners, as shown. Whilst the paint is still wet, she stamps each of the new faces onto a piece of paper. How many of the following stamps can Ania make?



A) 1 B) 2 C) 3 D) 4 E) 5

12. How many carrots can the rabbit eat, walking freely in this maze?



A) 7 B) 8 C) 9 D) 15 E) 16