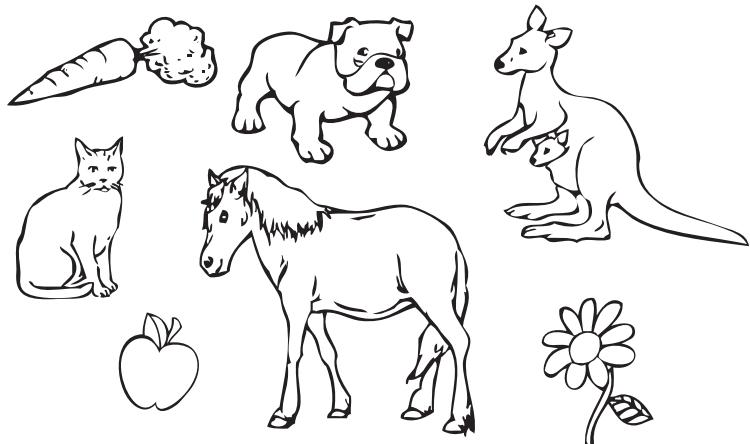


Level Pre-Ecolier (Class 1 & 2)  
Time Allowed : 2 hours

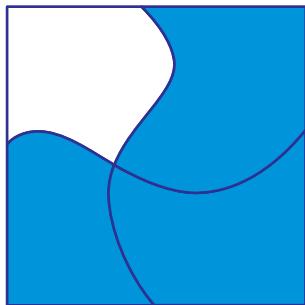
**SECTION ONE - (3 points problems)**



1. How many animals are in the picture?

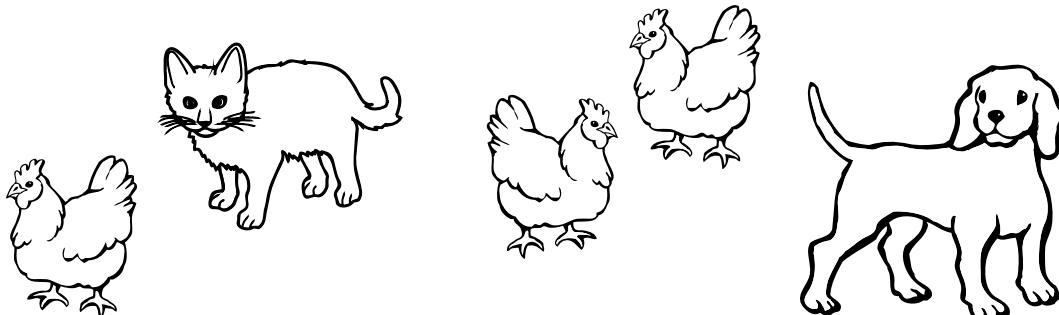
- (A) 3                          (B) 4                          (C) 5                          (D) 6                          (E) 7

2. Which piece fits in the empty place?



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

3. How many legs do they have altogether?



- (A) 5                                  (B) 10                          (C) 12                          (D) 14                          (E) 20

*International Kangaroo Mathematics Contest 2012 – Pre-Ecolier*

4. Helena has written down the word KANGAROO twice. How many times did she write the letter A?

(A) 1

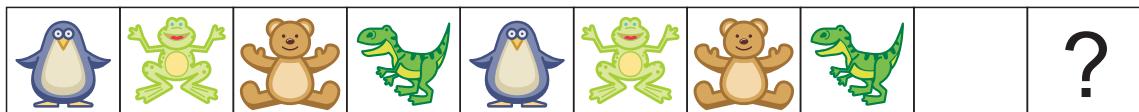
(B) 2

(C) 3

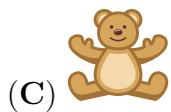
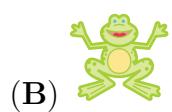
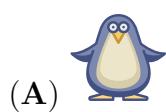
(D) 4

(E) 6

5. Luke repeats the same four stickers on a strip.



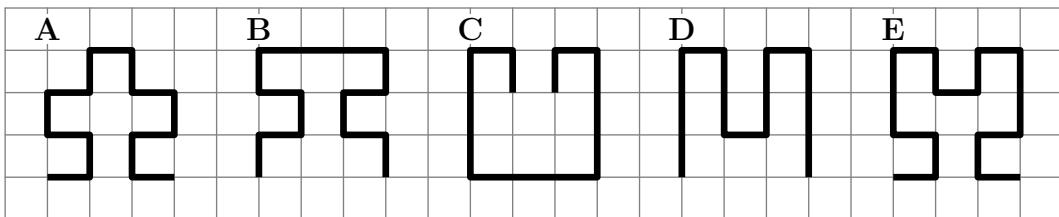
Which is the tenth sticker put by Luke?



6. On Friday Dan starts to paint the word BANANA. Each day he paints one letter. On what day will he paint the last letter?

(A) Monday      (B) Tuesday      (C) Wednesday      (D) Thursday      (E) Friday

7. Which of the following lines is the longest?



(A) A

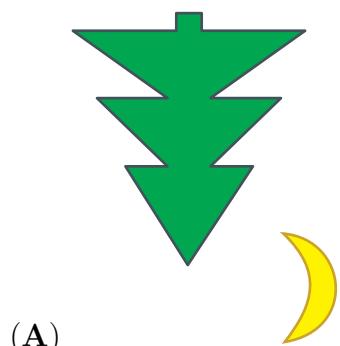
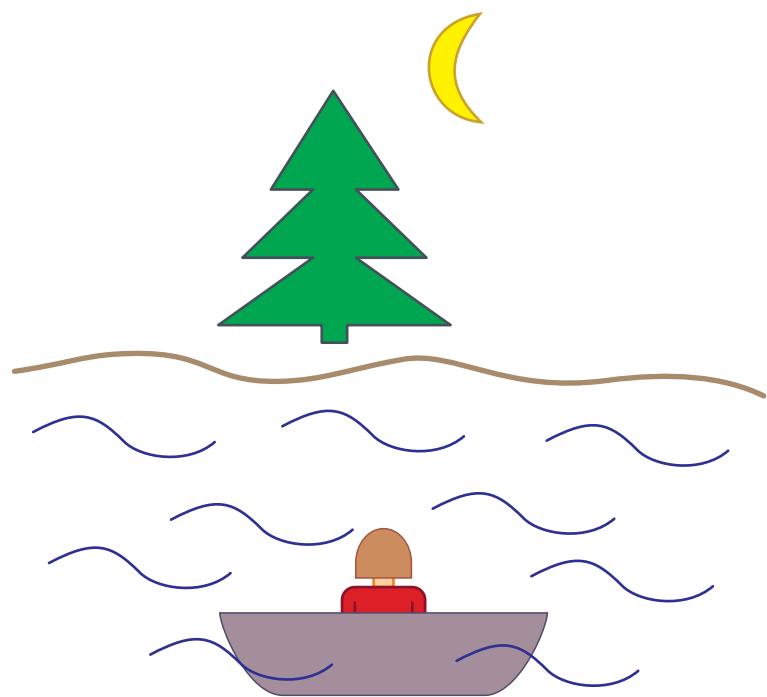
(B) B

(C) C

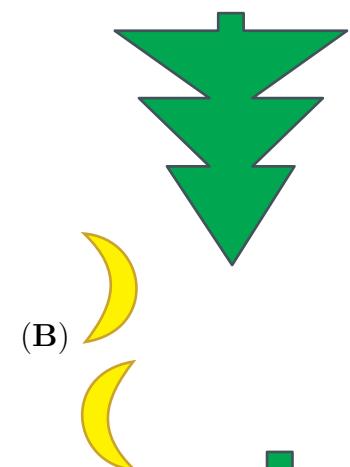
(D) D

(E) E

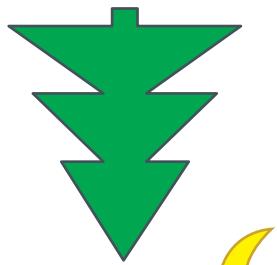
8. Katja is in a boat on a lake. Which of the pictures does she see in the lake?



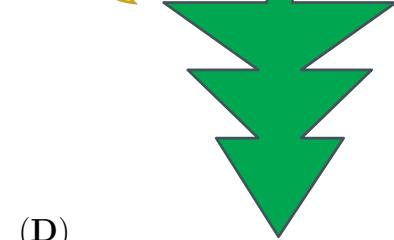
(A)



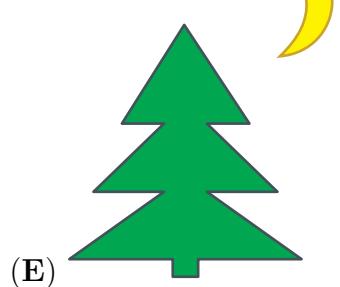
(B)



(C)



(D)



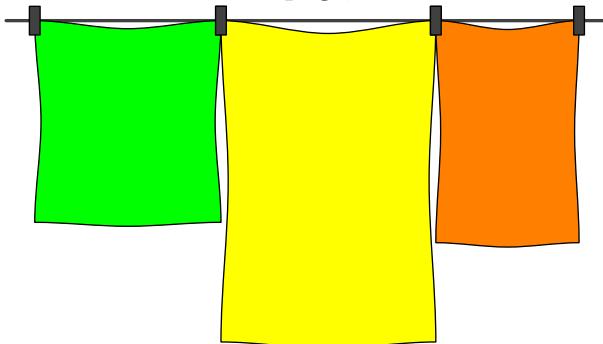
(E)

**SECTION TWO - (4 points problems)**

**9.** 13 children are playing hide and seek. One of them is the "seeker". After a while 9 children have been found. How many children are still hiding?

- (A) 3      (B) 4      (C) 5      (D) 9      (E) 22

**10.** Father hangs the laundry outside on a clothesline. He wants to use as few pegs as possible. For 3 towels he needs 4 pegs, as shown. How many pegs does he need for 9 towels?

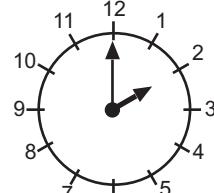


- (A) 9      (B) 10      (C) 12      (D) 16      (E) 18

**11.** Today Betty added her age and her sister's age and obtained 10 as the sum. What will the sum of their ages be after one year?

- (A) 5      (B) 10      (C) 11      (D) 12      (E) 20

**12.** The clock shows the time when Stephen leaves his school. School lunch starts 3 hours



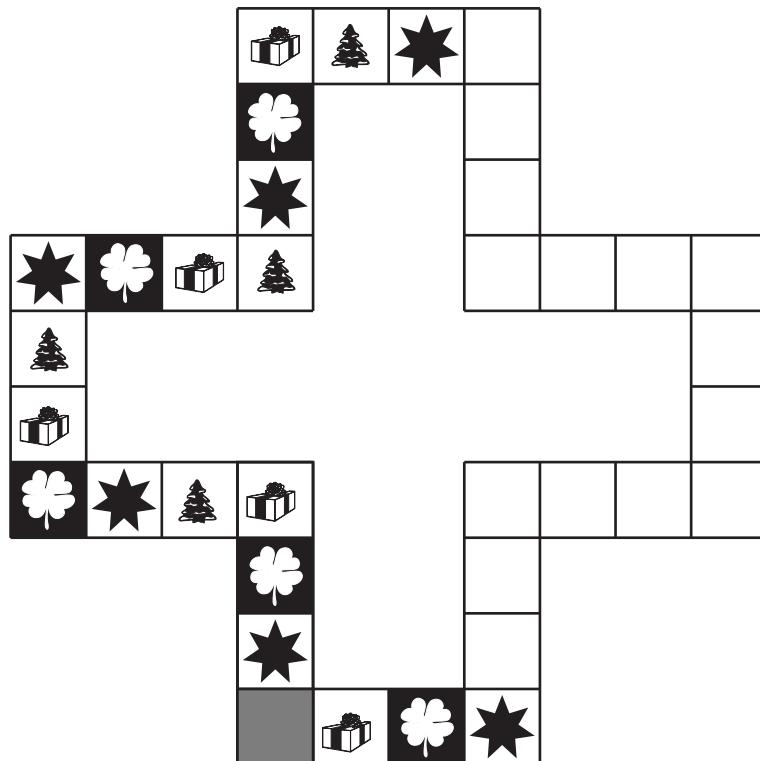
before school ends. At what time does lunch start?

- (A) 1      (B) 2      (C) 5      (D) 11      (E) 12

**13.** A dragon has 3 heads. Every time a hero cuts off 1 head, 3 new heads emerge. The hero cuts 1 head off and then he cuts 1 off head again. How many heads does the dragon have now?

- (A) 4      (B) 5      (C) 6      (D) 7      (E) 8

**14.** Stars, clovers, gifts and trees repeat regularly on a game board. Some juice was spilt on the board. As a result some pictures can't be seen. How many stars were on the board before



the juice was spilt?

- (A) 3      (B) 6      (C) 8      (D) 9      (E) 20

**15.** Eve brings 12 candies, Alice 9 candies and Irene doesn't bring any candy. They put all the candies together on a table and divide them equally among themselves. How many candies does each of the girls get?

- (A) 3      (B) 7      (C) 8      (D) 9      (E) 12

**16.** Tim is looking at seven silk paintings on a wall. At the left he sees the dragon and on the right the butterfly.



Which animal is on the left of the tiger and the lion, and on the right of the apricot?

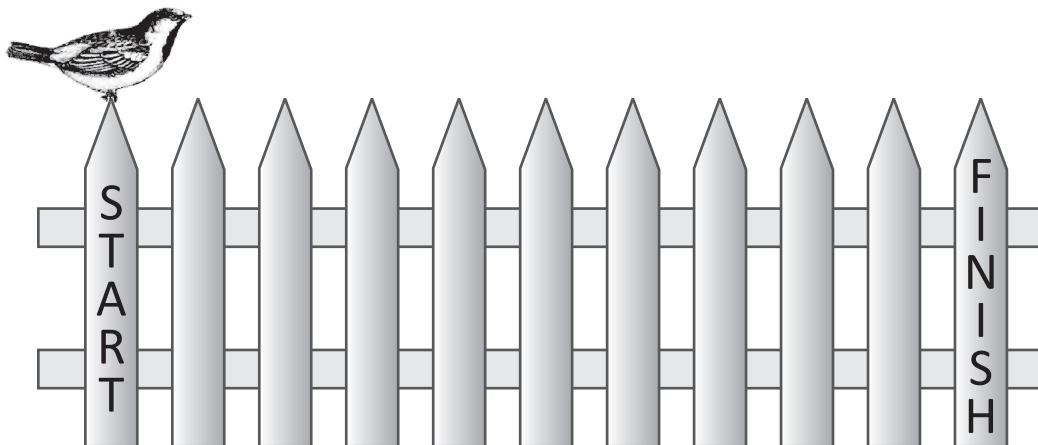
- |     |     |     |     |     |
|-----|-----|-----|-----|-----|
| (A) | (B) | (C) | (D) | (E) |
|-----|-----|-----|-----|-----|

**SECTION THREE - (5 points problems)**

**17.** Winnie the Pooh bought 4 apple pies and Eeyore bought 6 cheese cakes. They paid the same and together they paid 24 euros. How many euros does 1 cheese cake cost?

- (A) 2      (B) 4      (C) 6      (D) 10      (E) 12

**18.** Sparrow Jack jumps on a fence from one post to another. Each jump takes him 1 second. He makes 4 jumps ahead, then 1 jump back and again 4 jumps ahead and 1 back etc. In how many seconds does Jack get from START to FINISH?



- (A) 10      (B) 11      (C) 12      (D) 13      (E) 14

**19.** Grandmother made 11 cookies. She decorated 5 cookies with raisins and then 7 cookies with nuts. At least how many cookies were decorated with both raisins and nuts?

- (A) 1      (B) 2      (C) 5      (D) 7      (E) 12

**20.** At a school's party Dan, Jack and Ben each received a bag with 10 candies. Each of the boys ate just 1 candy and gave 1 candy to the teacher. How many candies did they have left altogether?

- (A) 8      (B) 10      (C) 24      (D) 27      (E) 30

**21.** What number is covered by the flower?

$$\begin{array}{rcl} \textcircled{O} + \triangle & = & 3 \\ \triangle + \triangle & = & 4 \\ \triangle + \square & = & 5 \\ \textcircled{O} + \square & = & \text{flower} \end{array}$$

(A) 1

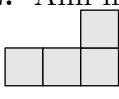
(B) 2

(C) 3

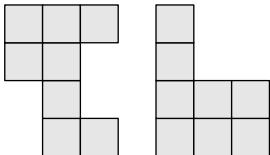
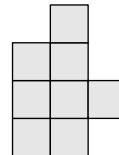
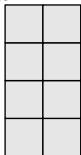
(D) 4

(E) 5

22. Ann has a lot of these tiles:



How many of the following shapes can Ann make by glueing together two of these tiles?



(A) 0

(B) 1

(C) 2

(D) 3

(E) 4

23. In a box there are three boxes, each one of which contains three smaller boxes. How many boxes are there in total?

(A) 9

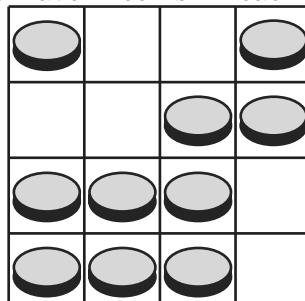
(B) 10

(C) 12

(D) 13

(E) 15

24. There are coins on the board. We want to have 2 coins in each column and 2 coins in



each row. How many coins need to be removed?

(A) 0

(B) 1

(C) 2

(D) 3

(E) 4

