



Kangaroo Ecolier, answer sheet
4th - 5th grade



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NAME CLASS/GROUP

Points

Kangaroo leap

Unfasten this answer sheet.

Write your answer under the problem number.

Leave the space empty if you do not know the answer.

It is not a good idea to guess, a wrong answer will cause a deduction of 1/4 of the max points!

Problem	1	2	3	4	5	6	7
Answer							

Problem	8	9	10	11	12	13	14
Answer							

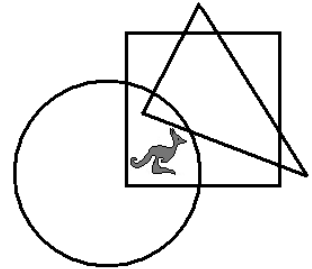
Problem	15	16	17	18	19	20	21
Answer							



3-Point-Problems

1. Where is the kangaroo?

- (A) In the circle and in the triangle, but not in the square.
- (B) In the circle and in the square, but not in the triangle.
- (C) In the triangle and in the square, but not in the circle.
- (D) In the circle, but neither in the square nor in the triangle.
- (E) In the square, but neither in the circle nor in the triangle.

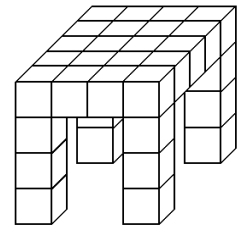


2. Four sticks have 8 ends. How many ends do six and a half sticks have?

- (A) 6
 - (B) 8
 - (C) 12
 - (D) 13
 - (E) 14
-

3. Thomas made a table using small cubes (see the picture). How many cubes did he use?

- (A) 24
- (B) 26
- (C) 28
- (D) 32
- (E) 36

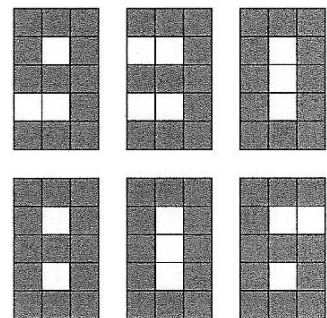


4. Mom bought 16 mandarins. Karol ate half of them, Eva ate two and Dana ate the rest. How many mandarins did Dana eat?

- (A) 4
 - (B) 6
 - (C) 8
 - (D) 10
 - (E) 12
-

5. On a display there is the number 930 (see the picture). How many little square lights must be switched in order to obtain number 806?

- (A) 5
- (B) 6
- (C) 7
- (D) 8
- (E) 9



6. Sofiko threw a dice four times and she obtained a total of 23 spots. How many times did she get 6 spots?

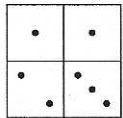
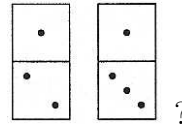
- (A) 0
 - (B) 1
 - (C) 2
 - (D) 3
 - (E) 4
-



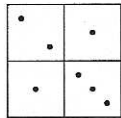
12. One side of the rectangle is 8 cm long, while the other is half as long. What is the length of a side of a square whose perimeter is the same as the perimeter of the rectangle?

- (A) 4 cm (B) 6 cm (C) 8 cm (D) 12 cm (E) 24 cm

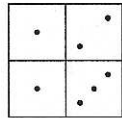
13. Which figure can we not make with the dominos



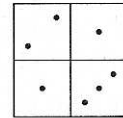
(A)



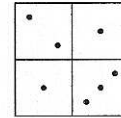
(B)



(C)



(D)



(E)

14. Three squirrels Anni, Asia and Elli collected 7 nuts. They all collected a different number of nuts, but each of them found at least one. Anni collected the least, Asia the most. How many nuts did Elli find?

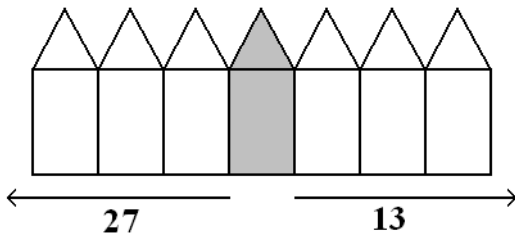
- (A) 1 (B) 2 (C) 3
(D) 4 (E) Impossible to determine.

5-Point-Problems

15. A farmer has 30 cows, some chickens but no other animals. The total number of legs of the chickens is equal to the total number of legs of the cows. How many animals altogether does the farmer have?

- (A) 45 (B) 60 (C) 90 (D) 120 (E) 180

16. Ann and Peter live in the same street. On one side of Anns house there are 27 houses and on the other side there are 13 houses. Peter lives in the house that is exactly in the middle of the street. How many houses are in between Ann's and Peter's house?



- (A) 6 (B) 7 (C) 8 (D) 14 (E) 21



17. Meta collects photos of famous sportsmen. Each year the number of her photos equals the sum of the numbers of her photos in the previous two years. In 2008 she had 60 photos and this year she has 96 photos. How many photos did she have in 2006?

- (A) 20 (B) 24 (C) 36 (D) 40 (E) 48

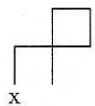
18. The bucket contains 1 red, 1 blue, 1 yellow, and 1 white flower. Maja the bee visits every flower in the bucket only once. She starts with the red flower, and she does not fly directly from the yellow one to the white one. In how many ways can Maja visit all the flowers?

- (A) 1 (B) 2 (C) 3 (D) 4 (E) 6

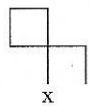
19. At 6:15 a ghost vanished away and the mad clock, which had been showing the right time, started to run at the right speed but backwards. The ghost appeared again at 19:30. What time did the mad clock show at the moment when the ghost appeared?

- (A) 17:00 (B) 17:45 (C) 18:30 (D) 19:00 (E) 19:15

20. Sylvia draws figures consisting of lines which are each 1 cm long. At the end of each line she always makes a turn of a right angle, either to the left or to the right. At each turn she draws either the symbol ♡ or ♠ on a separate paper. One day she drew a figure and the following sequence of symbols: ♡ ♠ ♠ ♠ ♡ ♡. The same symbol represents the same direction. Which of the following figures could she have drawn, if she began at point x ?



(A)



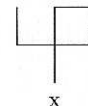
(B)



(C)



(D)



(E)

21. In the land Funnyfeet the left foot of each man is two sizes bigger than his right foot, whereas the left foot of each woman is one size bigger than the right. However shoes are always sold in pairs of the same size. To save money, a group of friends bought shoes together. After they all put on the shoes that fitted them, there were exactly two shoes left over, one of the size 36 and another of size 45. What is the smallest possible number of people in the group?

- (A) 5 (B) 6 (C) 7 (D) 8 (E) 9