

## Benjamin

### 3-Point-Problems

1. What is  $2005 \times 100 + 2005$ ?

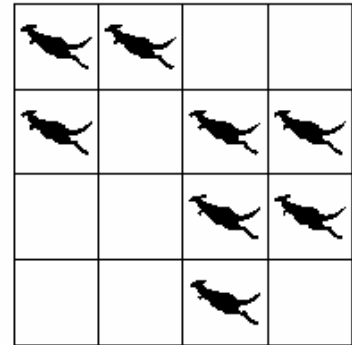
- (A) 2005002005      (B) 20052005      (C) 2007005      (D) 202505

2. Ali and Amna have 10 sweets, but Amna has 2 more than Ali. How many sweets does Amna have?

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

3. In the diagram any of the eight kangaroos can jump to another square. What is the least number of kangaroos that must jump so that each row and each column has exactly two kangaroos?

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



4. Ali lives with his father, mother, brother and also one dog, two cats, two parrots and four goldfish. How many legs do they have altogether?

- (A) 13      (B) 28      (C) 24      (D) 22

5. A butterfly sat down on my correctly solved exercise. What number is the butterfly covering?

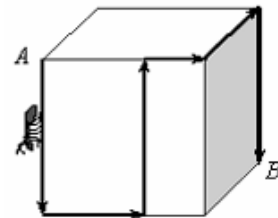
$$2005 - 205 = 25 +$$



- (A) 1825      (B) 2185      (C) 1775      (D) 1800

6. The diagram shows a cube with sides of length 12 cm. An ant is walking across the cube's surface from A to B on the route shown. How far does it walk?

- (A) 40 cm      (B) 48 cm      (C) 60 cm  
(D) It is impossible to determine



7. Saima cut a sheet of paper into 10 pieces. Then she took one of the pieces and cut it into 10 pieces also. She repeated this twice more. How many pieces of paper did she have in the end?

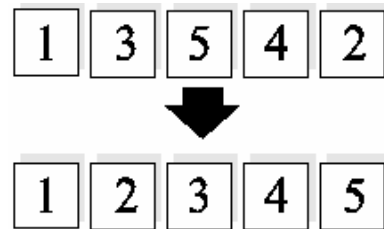
- (A) 27      (B) 30      (C) 37      (D) 40

8. Aisha chose a whole number and multiplied it by 3. Which of the following numbers could not be her answer?

- (A) 103      (B) 105      (C) 204      (D) 444

#### 4-Point-Problems

9. The five cards with the numbers from 1 to 5 lie in a horizontal row (see the figure). Per move, any two cards may be interchanged. Find the smallest number of the moves required to arrange all cards in increasing order?



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

10. How many hours are there in half of a third of a quarter of a day?

- (A)  $\frac{1}{3}$       (B)  $\frac{1}{2}$       (C) 1      (D) 2

11. Raza needs 40 minutes to walk from home to the sea by foot and to return home on an elephant. When he rides both ways on an elephant, the journey takes 32 minutes. How long would the journey last, if he would walk both directions?

- (A) 36 minutes      (B) 42 minutes      (C) 46 minutes      (D) 48 minutes

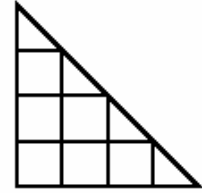
12. If the sum of five consecutive positive integers is 2005, then the largest of these numbers is

- (A) 401      (B) 403      (C) 405      (D) 2001

13. How many different factors (including 1 and 100) does 100 have?

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

14. If you count the number of all possible triangles and the number of all possible squares in the picture how many more triangles than squares do you find?

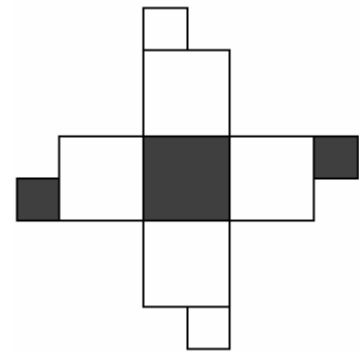


- (A) the same quantity      (B) 1      (C) 2      (D) 3

15. Which of equalities means that  $m$  makes 30 % from  $k$ ?

- (A)  $10m - 3k = 0$       (B)  $3m - 10k = 0$   
 (C)  $7m - 10k = 0$       (D)  $7m - 3k = 0$

16. If you fold up the net on the right, which of these cubes can you make?



- (A)      (B)      (C)      (D)

## 5-Point-Problems

17. Different figures represent the different digits. Find the digit corresponding to the square.

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

$$\begin{array}{r}
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 + \quad \circ \quad \circ \\
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 \end{array}$$

18. In a trunk there are 5 chests, in each chest there are 3 boxes, and in each box there are 10 gold coins. The trunk, the chests, and the boxes are locked. How many locks must be opened in order to get 50 coins?

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

19. A caterpillar starts from his home and move directly on a ground, turning after each hour at  $90^\circ$  to the left or to the right. In the first hour he moved 1 m, in the second hour 2 m, and so on. At what minimum distance from his home the caterpillar would be after six hours traveling?

- (A) 0 m      (B) 1 m      (C) 1.5 m      (D) 2.5 m

20. The sum of ten distinct positive numbers is 100. The largest of these numbers can be:

- (A) 10      (B) 13      (C) 55      (D) 60