



Cadet: Class (7-8)

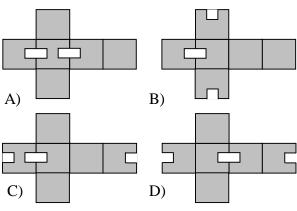
3-Point-Problems

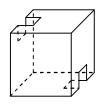
- **1.** The contest Kangaroo in Europe has taken place every year since 1991. So, the contest Kangaroo in 2006 is the
 - A) 15th
- B) 16th
- C) 17th
- D) 14th

- **2.** $20 \times (0+6) (20 \times 0) + 6 =$
 - A) 106
- B) 114
- C) 126
- D) 12
- **3.** The point *O* is the center of a regular pentagon. How much of the pentagon is shaded?
 - A) 20%
- B) 25%
- C) 30%
- D) 40%



- **4.** Fatima told her grandchildren: "If I give 2 toffees each of you I am left with 3 toffees. But if I try to give 3 toffees each of you I face a short of 2 toffees." How many grandchildren does Fatima have?
 - A) 3
- B) 4
- C) 5
- D) 6
- **5.** A cube with two holes in the right picture has one of the following nets:





- **6.** An interview of 2006 schoolchildren from Minsk (capital of Belorussia) revealed that 1500 of them participated in the "Kangaroo" contest, 1200 in the "Bear cub" competition. How many from the interviewed children participated in both competitions, if 6 of them did not participate in either of the competitions?
 - A) 300
- B) 500
- C) 600
- D) 700

7.	The solid in the picture is created from two cubes. The small cube with edges 1 cm long is placed on the top of a bigger cube with edges 3 cm long. What is the surface area of this solid?						
	A) 56 cm ²		C) 59 cm^2	D) 60 cm^2			
8.	3. A container that can hold 12 litres is $\frac{3}{4}$ full. How much will it contain after 4 litres 1						
	poured out of it? A) 5	B) 6	C) 8	D) 12			
9.		-	_	_	he third side is an or of the triangle m	integer number of neasure?	
10.	the night tempera	ature of the air.	_		n the day and beca	ame the same. Find	
	A) 50	B) 40	C) 30	D) 20			
4-	Point-Problen	ns					
11.	If it's blue, it's ro		That	means:			
	If it's square, it's red.			A) It's red and round			
	It's either blue on If it's yellow, it's		B) It's a blue squareC) It's blue and round				
	It's either square or round.			D) It's yellow and round			
12.	Three Tuesdays month?	of a month fa	ll on even da	tes. What day	of a week was t	the 21 st day of this	
	A) Wednesday	B) Th	ursday	C) Friday	D) Sund	lay	
13.	the price. Ahmac was 30 Rs. What	d saved 40 % of was the price	of what was le	eft of the price	. This way Babar	ami saved 60 % of share of the price	
	A) 60 Rs	B) 125 Rs	C) 1:	50 Rs	D) 200 Rs		
14.	three colors: gree blue men have fi	en, orange or b ive arms. In th than green or	lue. Green me e spaceship th	en have two ar here are as man	ms, orange men h ny green men as o	AR 1. They are of ave three arms and prange ones and 10 many blue men are	
	A) 15	B) 20	C) 30)	D) 40		
15.	If kangaroo pushes himself with his left leg, he will jump on 2 m, if he pushes with the right leg he will jump on 4 m, and if he pushes with both legs, he will jump on 7 m. What the leas number of jumps should kangaroo make to cover a distance of exactly 1000 m? A) 142 B) 143 C) 144 D) 250						
	A) 142	B) 143	C) 12	†'+	D) 250		

16.	Which number was A) 5	hen squared is increas B) 6	ed by 500%? C) 7	D) 10 A .			
17.	7. Raza and Ijaz have drawn a 4x4-square and marked the centers of the small squares. Afterwards, they draw obstacles and then find out in how many ways it is possible to go from A to B using the shortest way avoiding the obstacles and going from centre to centre only vertically and horizontally. How many <i>shortest</i> paths are there from A to B under these conditions? A) 6 B) 8 C) 9 D) 12						
18.	Amna counts her	fingers in such a way	(see figure). So the fine first number for a fine C) 3	irst finger			
19.	Find a truly end o A) you look on m C) you look on m	nine reflection	r reflection looks on m B) my reflection look D) I look on your ref	ks on you			
20.	apples have. One			rines and 11 s as 4 apples and 3 tangerines. How D) 100			
5-I	Point-Problem	าร					
21.	according to the	king patterns with schema of the figure. Shaheen add to the 10t	How many	D) 48			
22.				by a locomotive. In how many ways comotive that the wagon II? D) 256			
23.	If the sum of three among them cannot A) greater than 99 D) equal to 100	not be	equal to 20, then the sthan 0.001	product of the two largest numbers C) equal to 25			

24. The natural numbers from 1 to 2006 are written down on the blackboard. Akhlaq underlined all numbers divisible by 2, then all numbers divisible by 3, and then all numbers divisible by 4. How many numbers are underlined precisely twice?

A) 1003

- B) 1002
- C) 501
- D) 334
- **25.** A house has 10 rooms. Ten boys stay in different rooms and count the number of doors in them. After that they sum all results and receive 25. What a proposition can't be true about number N of doors which led outside the house?

A) N=7

- B) N=5
- C) N=3
- D) N=2