Time Allowed: **120 minutes**

SECTION ONE - (3 points problems)

1. Who caught the fish?
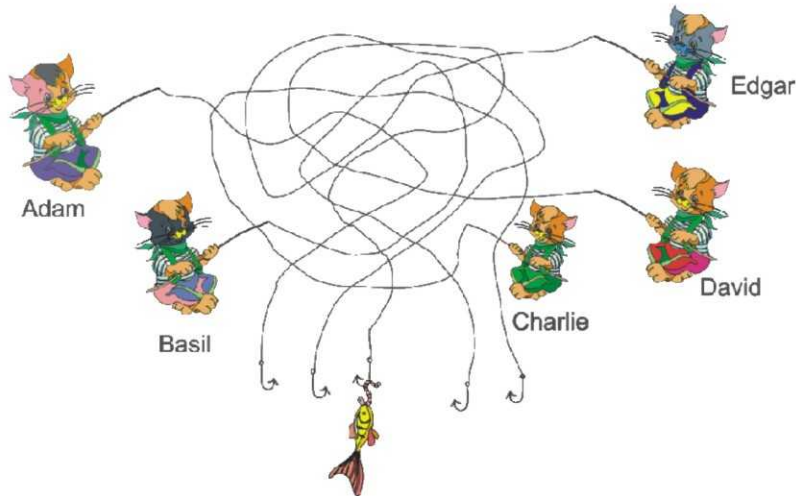
(A) Adam   (B) Basil   (C) Charlie
(D) David   (E) Edgar

2. In the picture there are 5-pointed, 6-pointed and 7-pointed stars. How many 5-pointed stars are there?

(A) 2   (B) 3   (C) 4
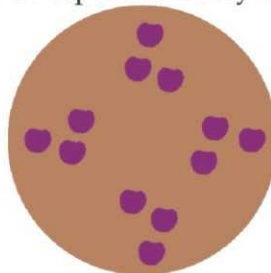(D) 5   (E) 9

3. The entire pie as seen in the picture is divided among children. Each child receives a piece of the pie with three cherries on top. How many children are there?

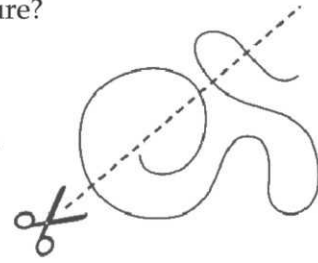(A) 3   (B) 4   (C) 5
(D) 6   (E) 8

Time Allowed: **120 minutes**

4. In how many parts does the cut split the rope in the picture?

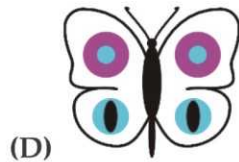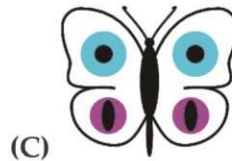**(A)** 5   **(B)** 6   **(C)** 7
(D) 8   **(E)** 9

5. Ellen wants to decorate the butterfly
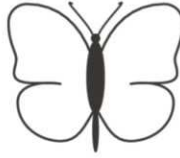
with these stickers . Which butterfly can she make?

(A)   **(B)**   **(C)**

(D)   **(E)**
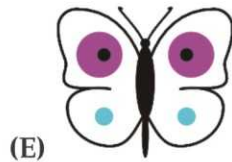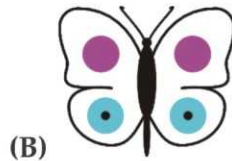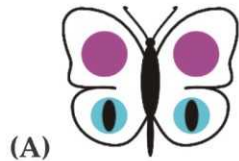
6. How many bricks like this are missing in the igloo?

(A) 6   **(B)** 7   **(C)** 8
(D) 9   **(E)** 10
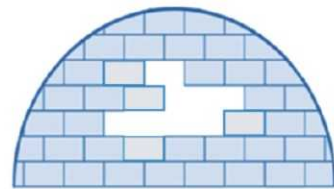
7. In the drawing we see a string of four beads. Which of the strings below is the same string?

(A)   **(B)**   **(C)**

**(D)**   **(E)**
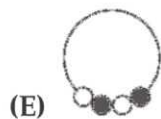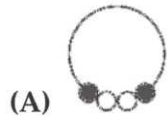
Time Allowed: **120 minutes**

8. Four out of the numbers 1, 3, 4, 5 and 7 are used, one in each square, so that the equality is correct. Which of the numbers is not used?

$$\square + \square = \square + \square$$

(A) 1   **(B)** 3   **(C)** 4
**(D)** 5   **(E)** 7

SECTION TWO - (4 points problems)

9. In the country of Jewelries you can trade three sapphires for one ruby (picture 1). For one sapphire you can trade two flowers (picture 2). How many flowers can be traded for two rubies?
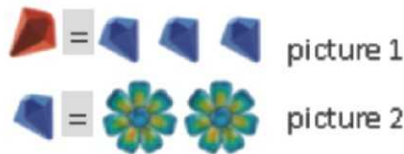
(A) 6   **(B)** 8   **(C)** 10
(D) 12   **(E)** 14

10. At some moment Jim and Ben sat on the carousel as in the picture. The carousel turned moving Ben to the place where previously Jim was. At that moment where was Jim?
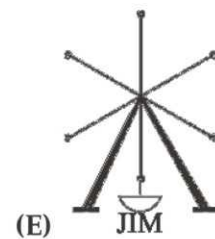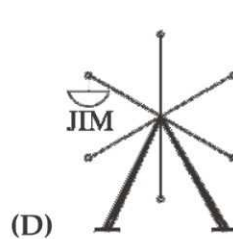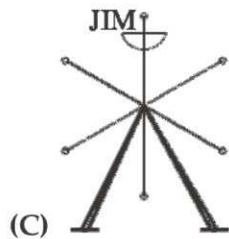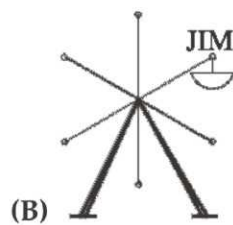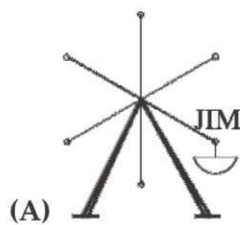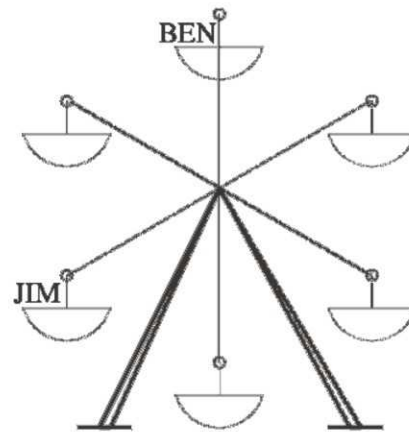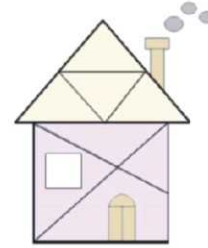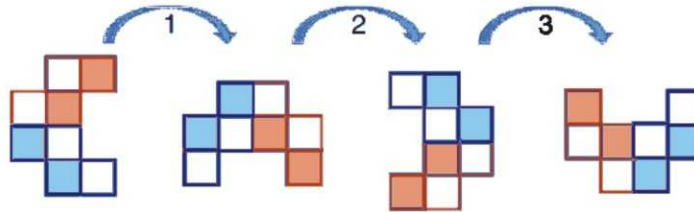
11. How many triangles are there in the picture?

(A) 8   (B) 9   (C) 10

(D) 11   (E) 12

12. Alfred was turning a shape. The first three turns are shown in the picture. He did six turns in total. How does the shape look like at the end?

(A)   (B)   (C)

(D)   (E)

13.

Ernst		Martin
Jan		Lonneke
Irma		

Who wins?

(A) Ernst   (B) Irma   (C) Jan

(D) Lonneke   (E) Martin
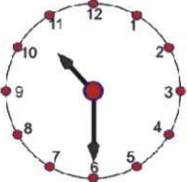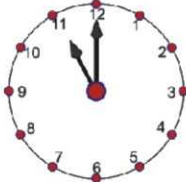
14. How many arrows in the figure look in the direction of movement from B to A?

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

15. Now it is half past one o'clock . What time was it two and a half hours ago?
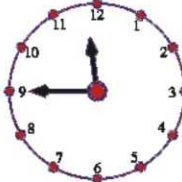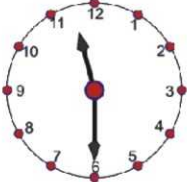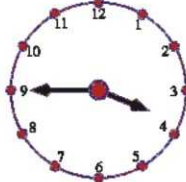
(A)   (B)   (C)

(D)   (E)

16. What number comes exactly halfway between 65 and 85?

(A) 73   (B) 75   (C) 75.5
(D) 78   (E) 80

SECTION THREE - (5 points problems)

17. In the table, the correct additions were performed in the squares according to the pattern shown. What number should replace the question mark?
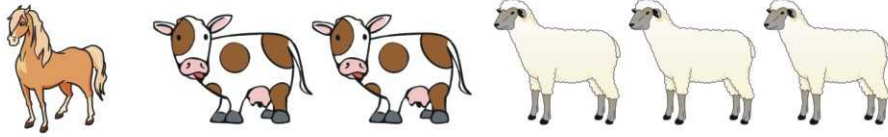
+	10	7
5	15	12
	14	?

(A) 10   (B) 11   (C) 12
(D) 13   (E) 15

18. In Old McDonald's Barn there are one horse, two cows and three lambs. How many more cows does McDonald Barn need so that all the animals are twice as much cows?
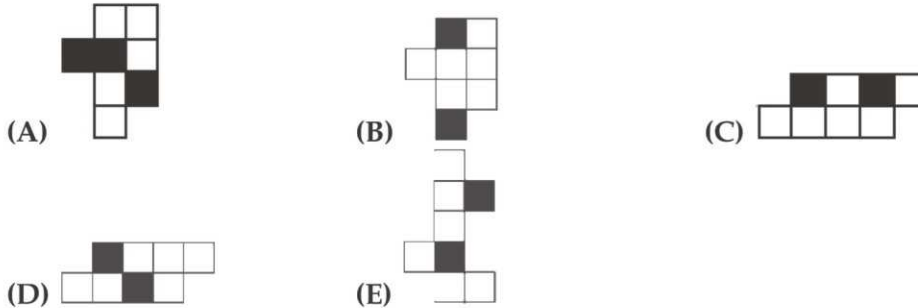
(A) 0   (B) 1   (C) 2
(D) 3   (E) 4

19. Sepehr has two paperboards. He colored one side of each paperboard like this:

Which shape can he make using both pieces?

(A)   (B)   (C)

(D)   (E)

20. The Kangaroo makes 10 jumps in 1 minute and rests 3 minutes after. Then he makes again 10 jumps in 1 minute and rests 3 minutes, and so on. What is the least amount of minutes that he needs to make 30 jumps?

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

Time Allowed: **120 minutes**

21. Which stamp has been used to get the picture above?

(A)

(B)

(C)

(D)

(E)

22. Each of the 4 keys fits only one of the 4 padlocks and the numbers on the keys refer to the letters on the padlocks.

ADA   DGA   DAG   ?

141   471   417   717

What is written on the last padlock?

(A) GDA

(B) ADG

(C) GAD

(D) GAG

(E) DAD

23. In which picture apples are twice as many carrots and carrots are twice as many pears?

(A)

(B)

(C)

(D)

(E)
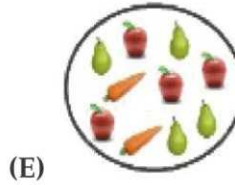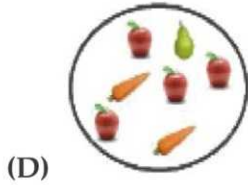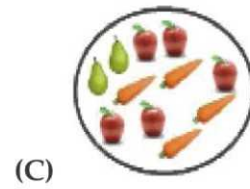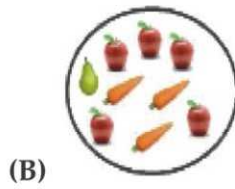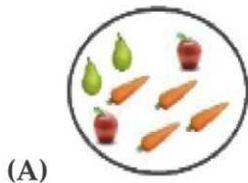
24. "Five animals live in the town houses shown in the picture. Donkey lives in the red house and Squirrel occupies the second house from the right. If Cat cannot live next to Dog but has to share a wall with Mouse, who lives in the purple house?"

(A) cat   **(B)** dog   **(C)** donkey
(D) mouse   **(E)** squirrel