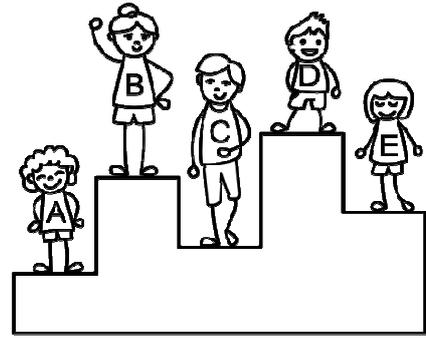


SECTION ONE - (3 point problems)

1. The higher the step on the podium, the higher the rank of the runner. Who finished third?

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



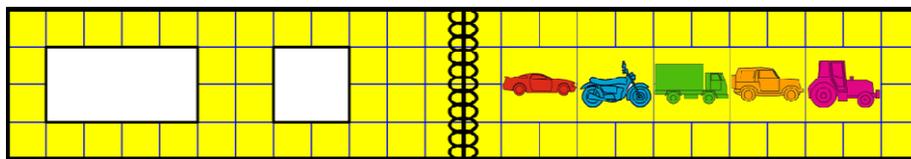
2. In the pictures, each dot stands for 1 and each bar stands for 5. For example, stands for 8. Which picture stands for 12?

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

3. Sus puts three cubes on the table. On top of those he puts two cylinders. On top of these he puts another cube. Which of the following figures corresponds to Sus's construction?

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

4. There are two holes in the cover of a book. When the book is open, it looks like this:



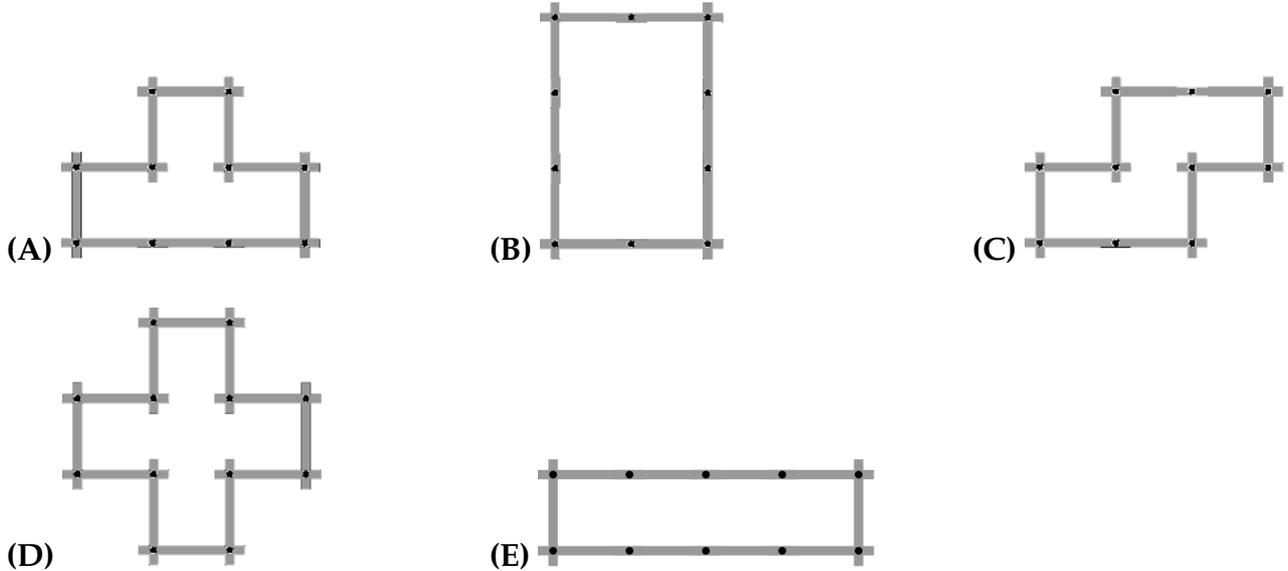
Which pictures does Olaf see through the holes when he closes the book?

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

KSF 2019 - Problems Ecolier (Class 3 & 4)

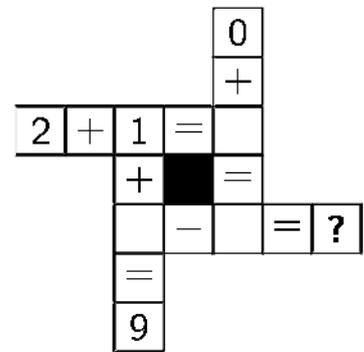
Time Allowed: 120 minutes

Which of the following shapes needs more sticks than Ria has?



8. What number should replace the question mark when all the calculations are completed correctly?

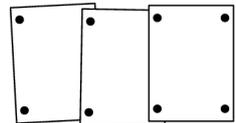
- (A) 4
- (B) 5
- (C) 6
- (D) 7
- (E) 8



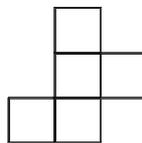
SECTION TWO- (4 point problems)

9. Linda pinned up 3 photos in a row on a cork board using 8 pins. Peter wants to pin up 7 photos in the same way. How many pins does he need?

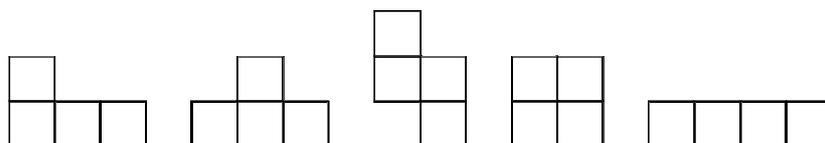
- (A) 14
- (B) 16
- (C) 18
- (D) 22
- (E) 26



10. Dennis wants to remove one cell from the shape:

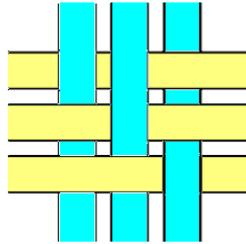


How many of the following shapes can he get?

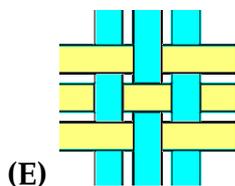
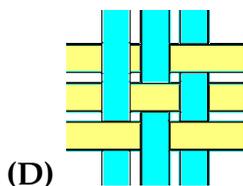
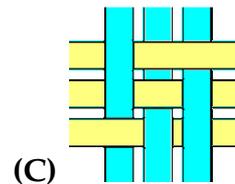
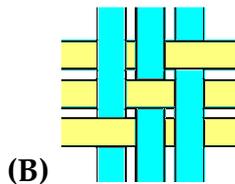
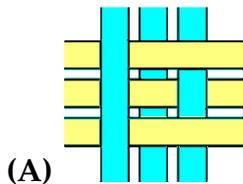


- (A) 1
- (B) 2
- (C) 3
- (D) 4
- (E) 5

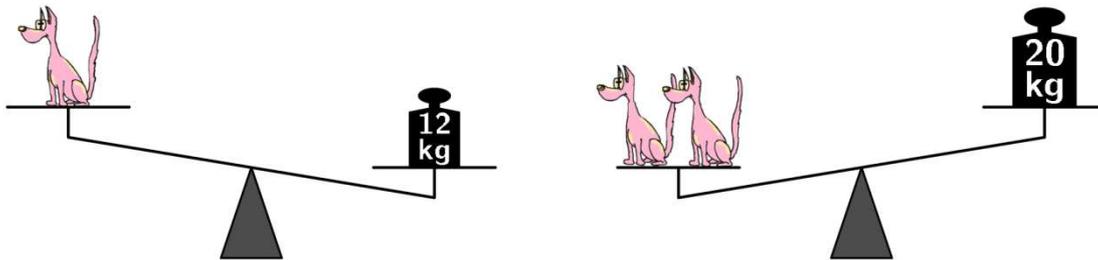
11. Six strips are woven into a pattern as shown.



What does the pattern look like from the back?



12. The weight of dog toy is a whole number. How much does one dog toy weigh?



- (A) 7 kg
(D) 10 kg

- (B) 8 kg
(E) 11 kg

- (C) 9 kg

13. Sara has 16 blue marbles. She can trade marbles in two ways: 3 blue marbles for 1 red marble or 2 red marbles for 5 green marbles. What is the maximum number of green marbles she can get?

- (A) 5
(D) 15

- (B) 10
(E) 20

- (C) 13

14. Steven wants to write each of the digits 2, 0, 1 and 9 in one of the boxes of the sum.

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

He wants to get the largest possible answer. Which digit could he write instead of the question mark?

- (A) Either 0 or 1
(D) Only 1

- (B) Either 0 or 2
(E) Only 2

- (C) Only 0

