

3 points



1. Which box has the most triangles?

Arek cuts this picture in half and puts the two pieces together.
[figure of whole mushroom]

Which option shows the two pieces of Arek's picture?





3. The picture shows 5 identical bricks. [figure]

How many are touching exactly 3 other bricks?

- $(\mathbf{A}) \ 1$
- $(\mathbf{B}) \ 2$
- (\mathbf{C}) 3
- $(\mathbf{D}) 4$
- $(\mathbf{E}) \ 5$





Pre-Ecolier Selected



5. There has to be 2 coins in each row and each column.

\bigcirc	\bigcirc		В
Α	\bigcirc	С	\bigcirc
\bigcirc		D	
Е		\bigcirc	\bigcirc

Where do you need to put a coin?

- $(\mathbf{A}) \mathbf{A} \qquad (\mathbf{B}) \mathbf{B} \qquad (\mathbf{C}) \mathbf{C} \qquad (\mathbf{D}) \mathbf{D} \qquad (\mathbf{E}) \mathbf{E}$
- 6. A monkey has torn a piece from Captain Jack's map.



Help Captain Jack find the correct piece.



7. Peter puts the 4 puzzle pieces together to make a square. Which picture can he make?



Pre-Ecolier Selected



8. Some ink spilled on a piece of squared paper, as shown in the picture. How many of the squares have ink on them?

- (A) 16 (B) 17
- (C) 18 (D) 19
- (E) 20

4 points

9. Kanga wrote down a number and then covered each digit with a shape. Different digits were covered by different shapes, and the same digits were covered by the same shape.

[figure]

Which number could be written under these shapes?

(A) 34426 (B) 34526 (C) 34423 (D) 34424 (E) 32446 (E) 3246 (E) 326 (E) 326

10. One animal sleeps in each of the baskets. The koala and the fox are sleeping in baskets with the same pattern and shape.



The kangaroo and the ostrich have the same pattern on their baskets. Which basket is the puppy sleeping in?

 (\mathbf{A}) basket 1 (\mathbf{B}) basket 2

 (\mathbf{C}) basket 3

 (\mathbf{D}) basket 4

 (\mathbf{E}) basket 5

11. Kanga wants to reach the koala without going through any square with part of a lake.



12. In one of the pictures below, a shape is used that cannot be seen in the others. Which picture is

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Pre-Ecolier Selected



16. Ann has 4 stickers as shown. She sticks down the star after she sticks down the square. And she sticks down the star before the triangle.

Which picture could she end up with?



5 points

17. The sum of the five numbers in each house is 20. Some numbers have been painted over.



What number has been coloured yellow?

(A) 3 (B) 4 (C) 7 (D) 9 (E) 14

18. Some lawns are shown below. Which lawn is the smallest?



19. Each year, Maria received teddy bears for her birthday. For her first birthday she received 1 teddy bear. For her second birthday she received 2 teddy bears. For each subsequent birthday she received one teddy bear more than the previous year.

How many teddy bears does Maria have when she is 6 years old?

(A) 19 (B) 20 (C) 21 (D) 22 (E) 23

20. Dino moves from the entrance to the exit by going through rooms. He can only go through each room once.



Dino adds up the numbers as he passes through each room. What is the highest total Dino can make?





22. Three zebras take part in a contest. The winner is the zebra with the most stripes. Runa has 15 stripes, Zara has 3 more than Runa. Runa has 5 fewer stripes than Biba. How many stripes does the winner have?

(A) 16 (B) 18 (C) 20 (D) 21 (E) 22

23. Kangy's car can only turn left, never right. Which of the following five routes can Kangy take?



24. There are 5 numbered cards on the table as shown.

[new figure showing cards: 3, 4, 1, 5, 2]

You may swap two cards at each step. At least how many steps are needed to put the cards in increasing order?

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