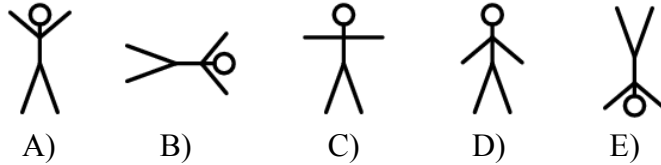
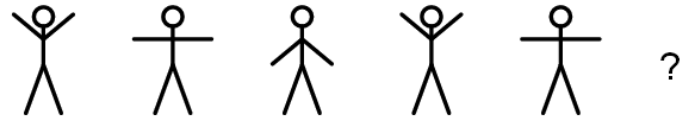


3 Points

1. Betty keeps drawing three different figures in the same order. Which figure should be the next?

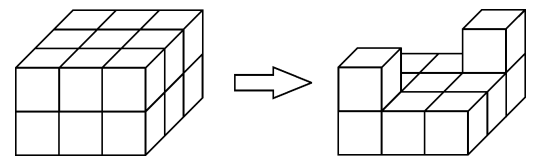


2. What is the value of $2 \cdot 0 \cdot 0 \cdot 6 + 2006$?

- A) 0 B) 2006 C) 2014 D) 2018 E) 4012

3. How many cubes have been taken from the block?

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



4. Kate's birthday was yesterday. Tomorrow is Thursday. What day was Kate's birthday?

- A) Tuesday B) Wednesday C) Thursday D) Saturday E) Monday

5. How much costs one ball?



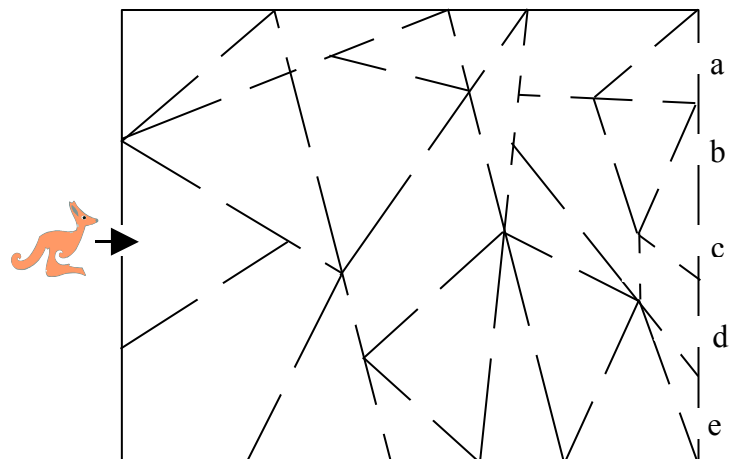
- A) 10€ B) 20€ C) 30€ D) 40€ E) 50€

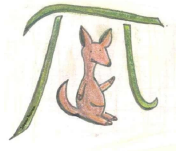
6. Ivo played "Darts". He had 10 arrows. For each throw at the centre he gained two additional arrows. Ivo made 20 throws. How many times did he hit the centre?

- A) 6 B) 8 C) 10 D) 5 E) 4

7. A kangaroo enters a building. He only passes through triangular rooms. Where does he leave the building?

- A) a B) b C) c
D) d E) e





4 Points

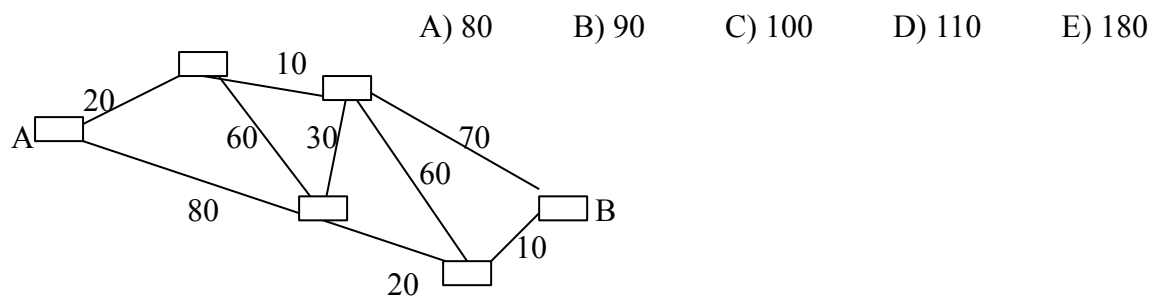
8. In his purse Stan has a note of 5 euro, a coin of 1 euro and a coin of 2 euro. Which of the following amounts Stan can not pay without change?

- A) 3 euro B) 4 euro C) 6 euro D) 7 euro E) 8 euro

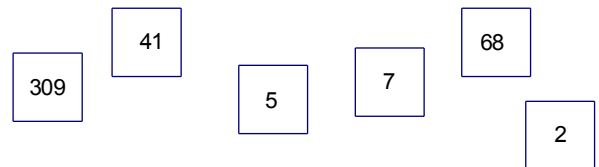
9. On the left side of Main Street one will find the house numbers 1, 3, 5, ..., 19. On the right side the house numbers are 2, 4, 6, ..., 14. How many houses are there on Main Street?

- A) 8 B) 16 C) 17 D) 18 E) 33

10. Numbers in the picture are ticket prices between neighbouring towns. Peter wants to go from A to B as cheaply as possible. What is the lowest price he has to pay?



11. Six numbers are written on the following cards, as shown. What is the smallest number you can form with the given cards?

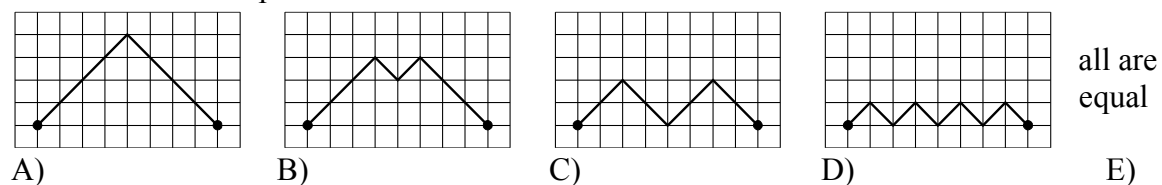


- A) 1234567890 B) 1023456789 C) 3097568241 D) 2309415687 E) 2309415678

12. Six weights (1g, 2g, 3g, 4g, 5g and 6g) were sorted into three boxes – two weights in every box. The weights in the first box weigh 9 grams together and those in the second box weigh 8 grams. What weights are in the third box?

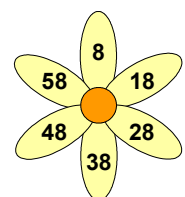
- A) 3g and 1g B) 5g and 2g C) 6g and 1g D) 4g and 2g E) 4g and 3g

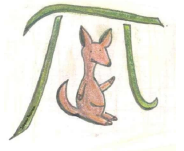
13. Between two points four routes are drawn. Which route is the shortest?



14. In the picture you can see a “number flower”. Mary pulled out all the leaves with numbers which give remainder 2 when divided by 6. What is the sum of the numbers on the leaves that Mary pulled out?

- A) 46 B) 66 C) 84 D) 86 E) 114



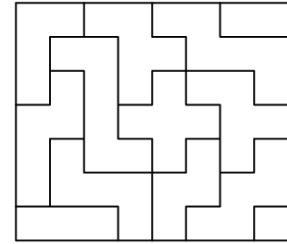
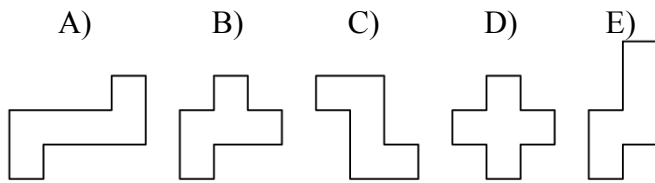


5 Points

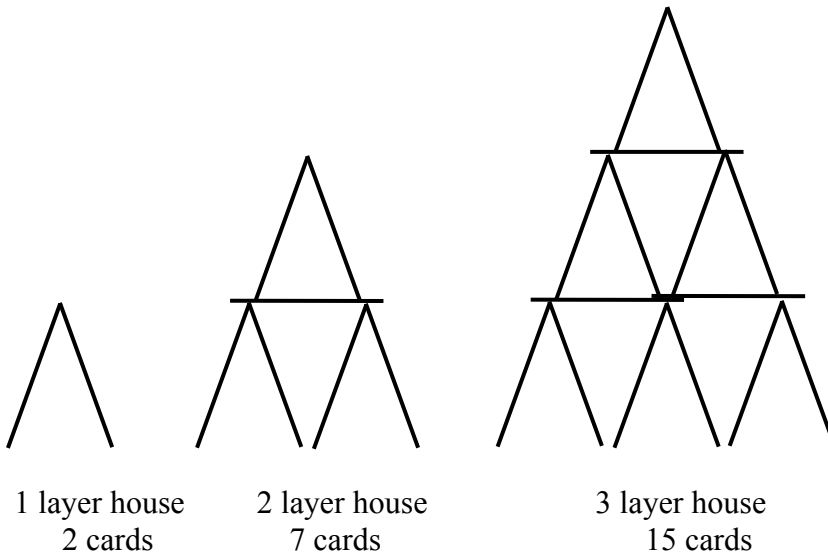
15. Four crows sit on the fence. Their names are Dana, Hana, Lena and Zdena. Dana sits exactly in the middle between Hana and Lena. The distance between Hana and Dana is the same as the distance between Lena and Zdena. Dana sits 4 meters from Zdena. How far does Hana sit from Zdena?

- A) 5 m B) 6 m C) 7 m D) 8 m E) 9 m

16. You can move or rotate each shape as you like, but you are not allowed to flip them over. What shape is not used in the puzzle?

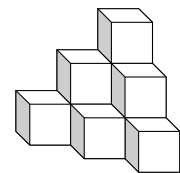


17. John is building houses of cards. On the picture there are houses of one, two, and three layers that John built. How many cards does he need to build a 4-layer house?

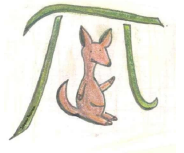


- A) 23 B) 24 C) 25 D) 26 E) 27

18. The structure shown in the picture is glued together from 10 cubes. Roman painted the entire structure, including the bottom. How many faces of the cubes are painted?



- A) 18 B) 24 C) 30 D) 36 E) 42



19. Irena, Ann, Kate, Olga and Elena live in the same house: two of the girls live on the first floor, three of them on the second floor. Olga lives on a different floor from Kate and Elena. Ann lives on a different floor from Irena and Kate. Who is living on the first floor?

- A) Kate and Elena B) Irena and Elena C) Irena and Olga
 D) Irena and Kate E) Ann and Olga

20. During some month, 5 Mondays occurred. Then this month could not have

- A) 5 Saturdays B) 5 Sundays C) 5 Tuesdays
 D) 5 Wednesdays E) 5 Thursdays

21. A child's toy hangs from the ceiling and it is in balance at all five places, marked with \circ . The same shapes have the same weight. The weight of one of the shapes is 30 grams. What is the weight of the shape indicated?

- A) 10 B) 20 C) 30
 D) 40 E) 50

