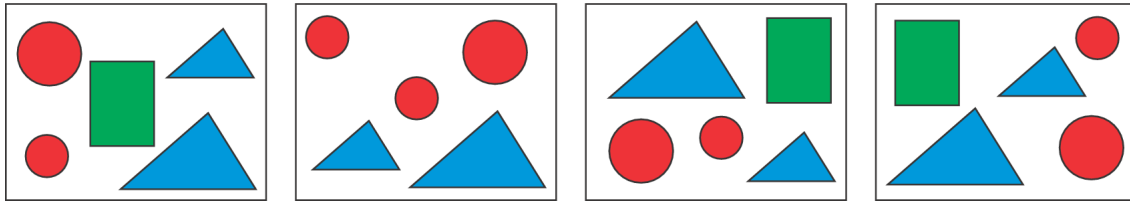







3 point problems

1. Which figure is not in each of four pictures?



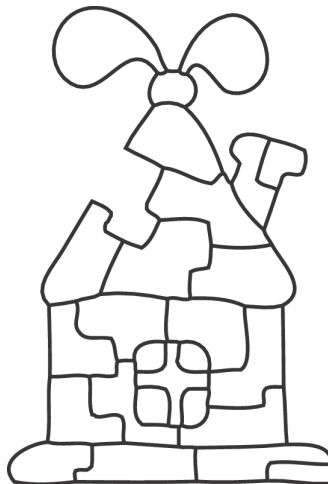
- (A)  (B)  (C)  (D)  (E) 






2. How many triangles are there in the picture?



- (A) 7 (B) 6 (C) 5 (D) 4 (E) 3

3. Find the missing part of the house.



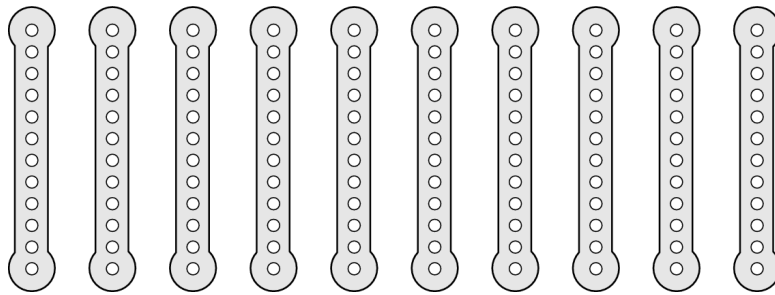
- (A)  (B)  (C)  (D)  (E) 

4. Five lady-bugs live on a bush. In total, how many spots have the lady-bugs?

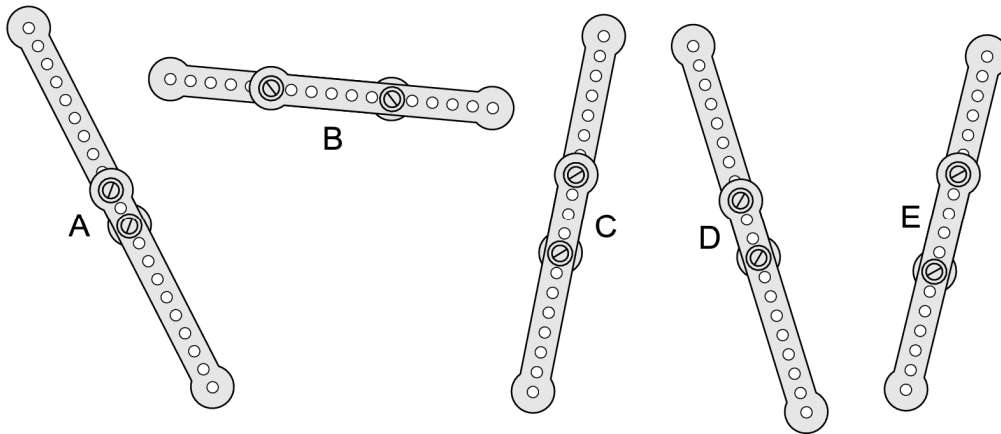


- (A) 17 (B) 18 (C) 19 (D) 20 (E) 21

5. Eric had 10 equal metal strips.



He has screwed pairs of them together into five long strips.



Which strip is the shortest?

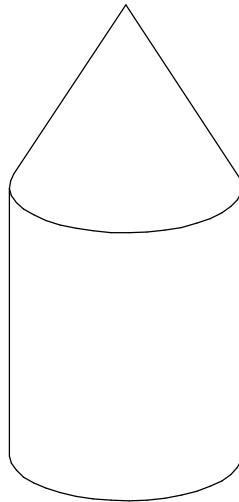
- (A) A (B) B (C) C (D) D (E) E

6. Which of the following pictures can be rotated so that it will coincide with the picture shown on the right?



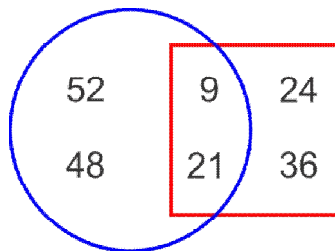
- (A) (B) (C) (D) (E)

7. What does the round tower look like from above?



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

8. What is the sum of the numbers outside the square?



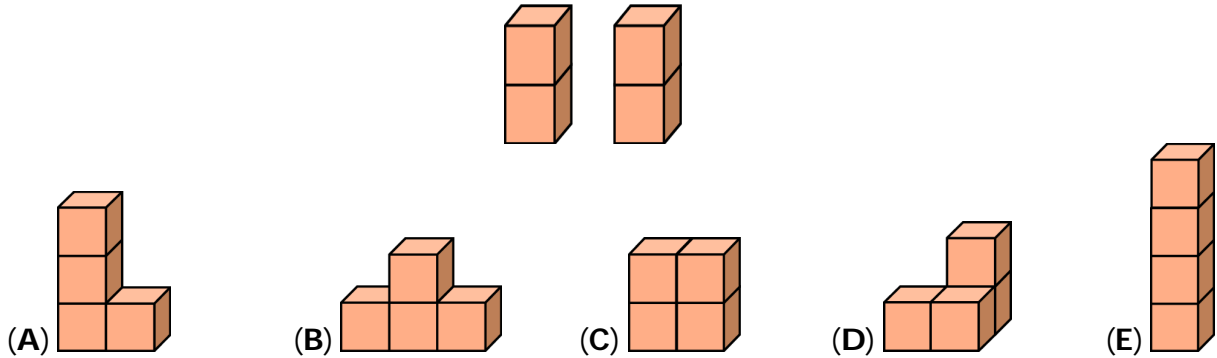
- (A) 30 (B) 60 (C) 90 (D) 45 (E) 100

4 point problems

9. It takes half an hour for Jenny to go half of the way from school to home. How long does it take Jenny to go to school from home?

- (A) 15 minutes (B) half an hour (C) 1 hour
 (D) 2 hours (E) 40 minutes

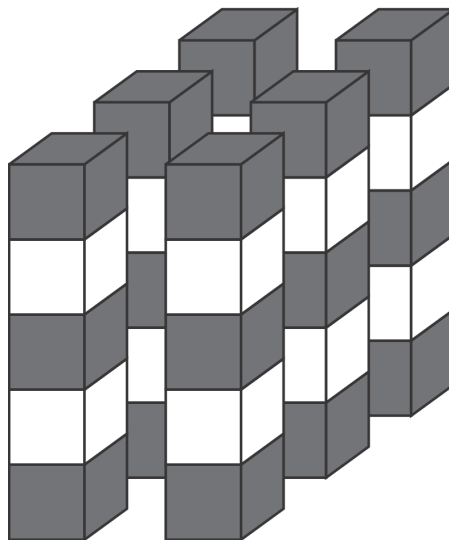
10. Don made two bricks by sticking two cubes together. Which construction cannot be built of these two bricks?



11. Marko has 9 sweets and Tomo has 17 sweets. How many sweets does Tomo need to give to Marko so that each boy has the same number of sweets?

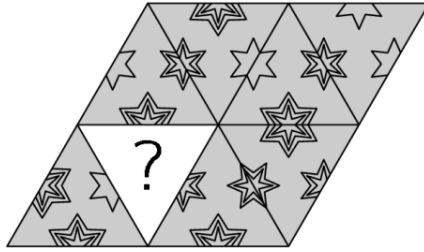
- (A) 2 (B) 3 (C) 4 (D) 5 (E) 6

12. Six towers are built with grey cubes and white cubes. Each tower is made with five cubes. Cubes of the same colors do not touch. How many white cubes are there?



- (A) 10 (B) 11 (C) 12 (D) 18 (E) 30

13. Which piece is missing?



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

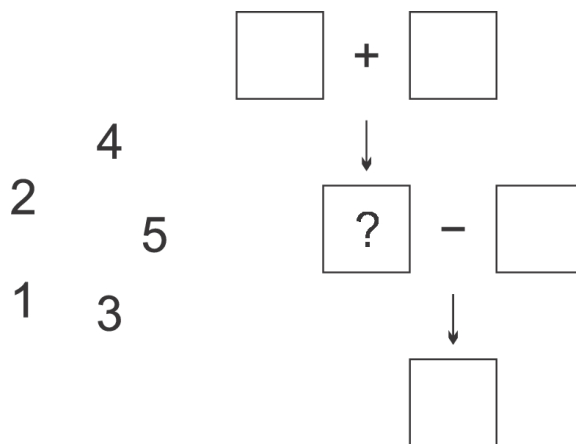
14. The date 5/5/2015 has three 5's. The earliest date that will have three 5's again is:

- (A) 5/5/2025 (B) 15/6/2055 (C) 15/5/2050
 (D) 25/5/2015 (E) 15/5/2015

15. Mother ordered 2 pizzas and sliced each of them into 8 pieces for Vera's birthday. There were 14 children at the party including Vera. How many slices are left over if mother gives one slice to each child?

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

16. Place each of the numbers 1, 2, 3, 4, 5 into one box so that everything is correct. Which number goes into the box marked with question mark?



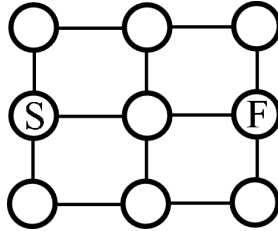
- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5

5 point problems

17. There were 11 flags on a straight track of a race. The first one was at the start, the last one at the finish. The distance between each flag was 8 m. How long was the track?

- (A) 24 metres (B) 48 metres (C) 72 metres (D) 80 metres (E) 88 metres

18. The Kangaroo jumps from circle *S* along the line to the next circle in one jump. It is not allowed to jump into any circle more than once. In how many different ways, by



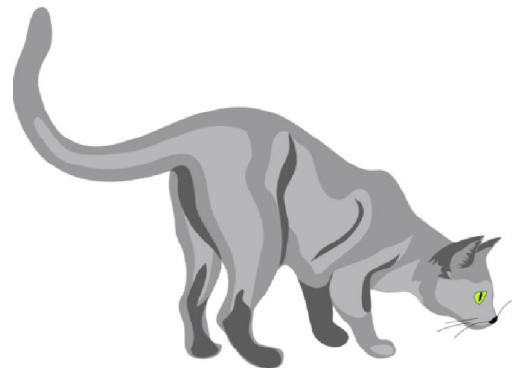
taking only 4 jumps, can the Kangaroo reach circle *F*?

- (A) 3 (B) 4 (C) 5 (D) 6 (E) 7

19. A ship was attacked by pirates. One by one they were climbing a rope to get to the ship. The pirate captain was in the middle and he was also the eighth one from the beginning. How many pirates were on the rope?

- (A) 7 (B) 8 (C) 12 (D) 15 (E) 16

20. During 3 days Joy the cat was catching mice. Each day, Joy caught 2 mice more than the previous day. On the third day, Joy caught twice as many mice as on the first day. In total, how many mice did Joy catch during the three days?

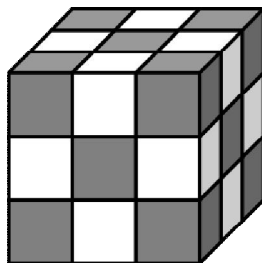


- (A) 12 (B) 15 (C) 18 (D) 20 (E) 24

21. Rick and Tom were building an igloo. Each hour Rick made 8 snow bricks and Tom made two bricks less. How many bricks did they make together in three hours?

- (A) 14 (B) 30 (C) 42 (D) 48 (E) 54

22. Nick built a cube using gray and white cubes (see fig.). The cubes with the same color do not have a common face. Which statement describes the number of used cubes?

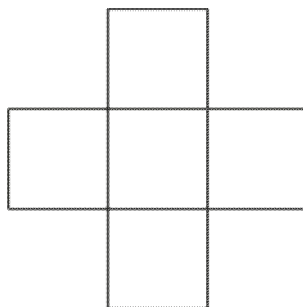


- (A) one gray cube more than white cubes
 (B) one white cube more than gray cubes
 (C) the same number of gray and white cubes
 (D) two white cubes more than gray cubes
 (E) two gray cubes more than white cubes

23. We left for a summer camp yesterday at 4:32 PM and got to our destination today at 6:11 AM. For how long did we travel?

- (A) 13 hours 39 minutes (B) 14 hours 39 minutes
 (C) 14 hours 21 minutes (D) 13 hours 21 minutes
 (E) 2 hours 21 minutes

24. The numbers 3, 5, 7, 8 and 9 are written into the squares (see fig.) so that the sum of the numbers in the row is equal to the sum of the numbers in the column. Which number is written in the central square?



- (A) 3 (B) 5 (C) 7 (D) 8 (E) 9