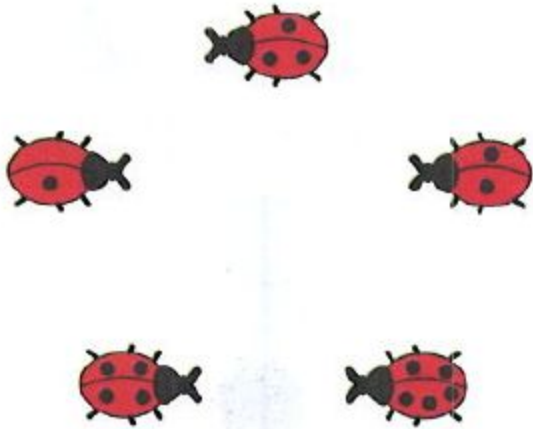
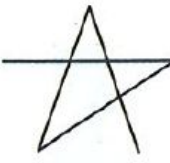

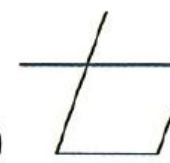
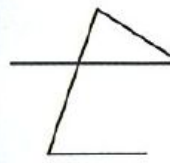



MC1 - 2018 - 2

Alice draws a figure connecting all the ladybugs in the order of increasing number of dots. She starts with the ladybug with one dot. Which figure will she get?



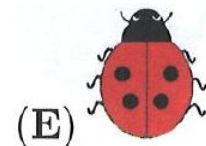
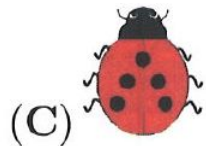
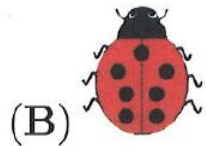
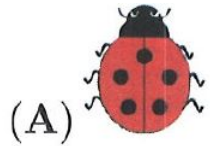
- (A)  (B)  (C)  (D)  (E) 

Answer:

MC1 - 2018 - 6



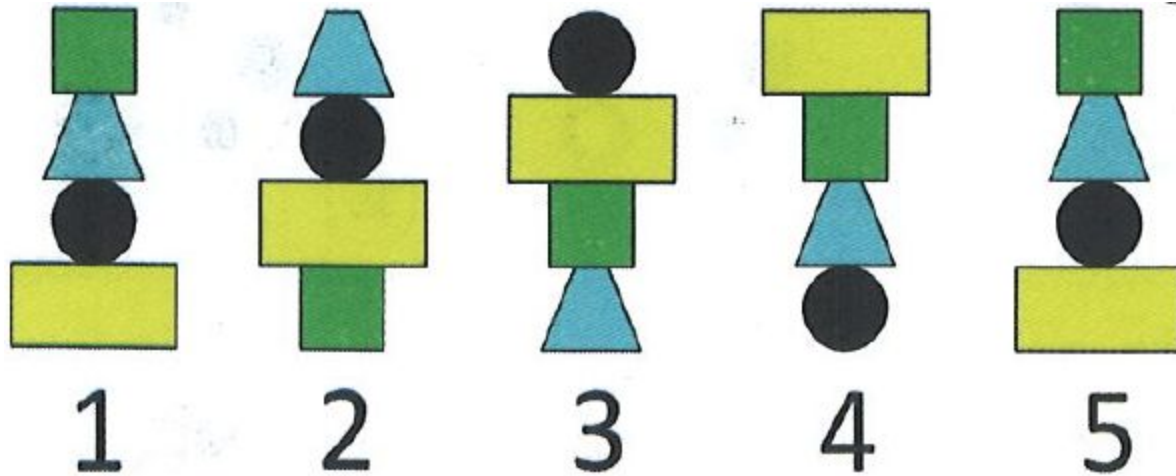
Which of these ladybugs has to fly away so that the rest of them have 20 dots in total?



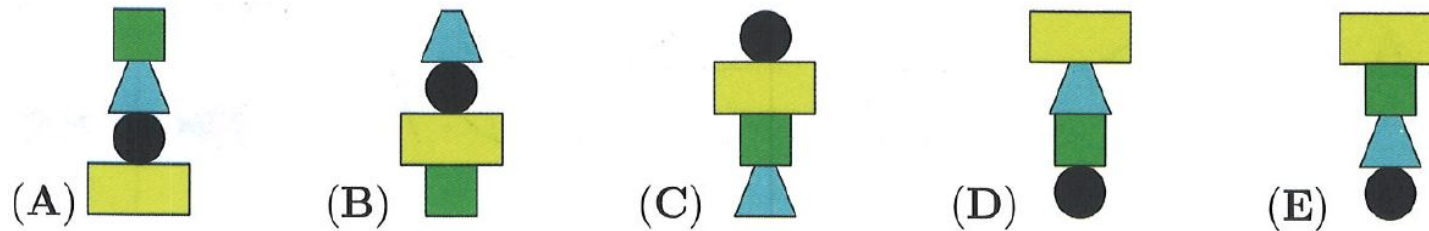
Answer:

MC1 - 2018 - 7

Emilie builds towers in the following pattern:



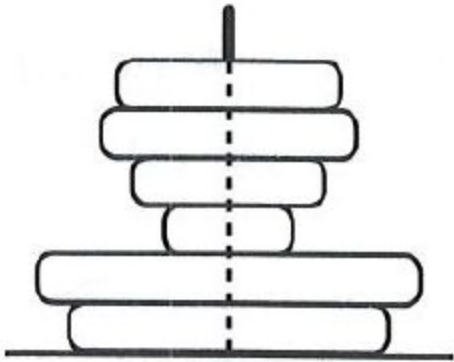
What will the 16th tower look like?



Answer:

MC1 - 2018 - 8

Little Theodor assembled a stacking toy as in the picture. How many rings will he see when looking at it from above?



(A) 1

(B) 2

(C) 3

(D) 4

(E) 5

Answer:

MC1 - 2018 - 15

How many times does a right hand appear in the picture?



(A) 3

(B) 4

(C) 5

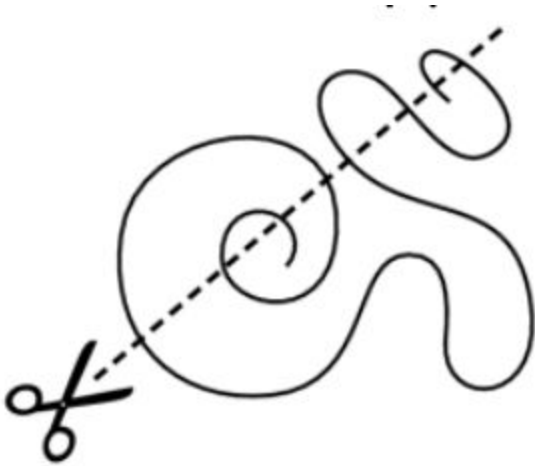
(D) 6

(E) 7

Answer:

MC1 - 2017 - 2

Into how many pieces will the string be cut?



(A) 5

(B) 6

(C) 7

(D) 8

(E) 9

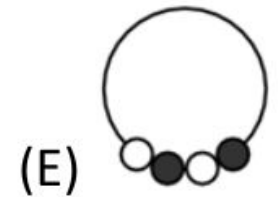
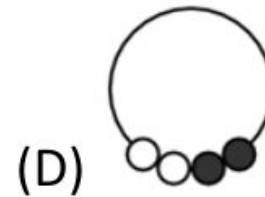
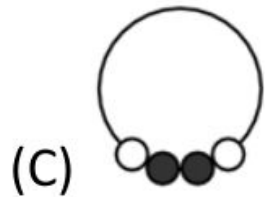
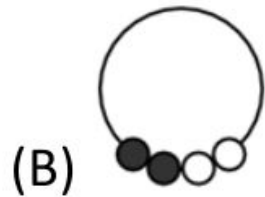
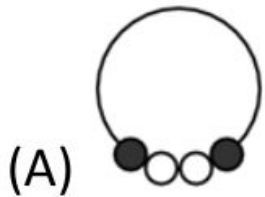
Answer:

MC1 - 2017 - 4

The picture below shows a bracelet with pearls.



Which of the bands below shows the same bracelet as above?



Answer:

MC1 - 2017 - 5

Four of the numbers 1, 3, 4, 5 and 7 are written into the boxes so that the calculation is correct.

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

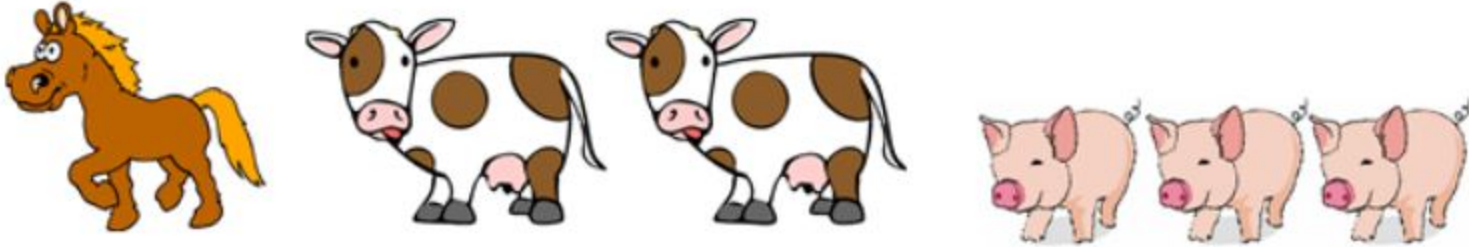
Which number was not used?

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

Answer:

MC1 - 2017 - 10

Old McDonald has a horse, two cows and three pigs.



How many more cows does he need, so that exactly half of all his animals are cows?

- (A) 0 (B) 1 (C) 2 (D) 3 (E) 4

Answer:

MC1 - 2016 - 10

Lisa put six eggs of white or brown colour in the shown box. Two brown eggs cannot be next to each other. At most, how many brown eggs could Lisa put in the box?



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

Answer:

MC1 - 2016 - 11

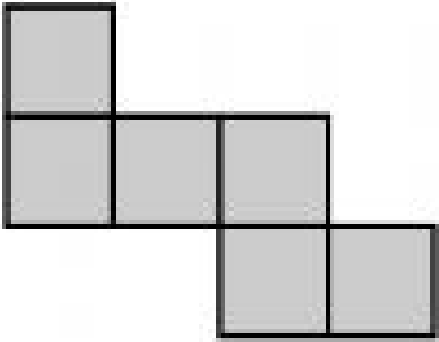
Today John and Paul added their ages and got 12. What number will they get in 4 years?

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

Answer:

MC1 - 2016 - 13

Amy wants to build a larger square from small square tiles. She already glued six tiles as shown.



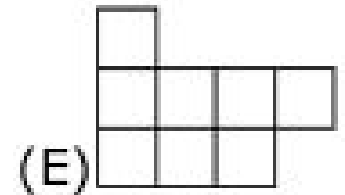
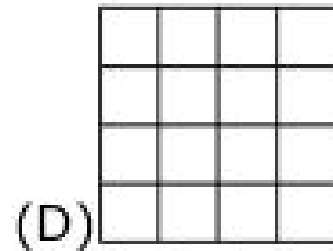
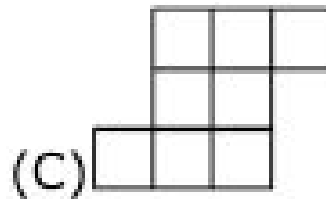
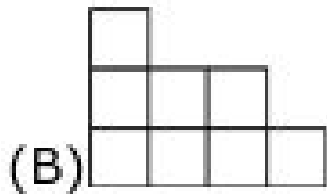
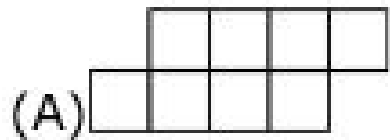
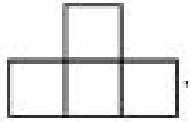
At least how many more tiles does she need?

- (A) 6 (B) 8 (C) 9 (D) 10 (E) 12

Answer:

MC1 - 2016 - 15

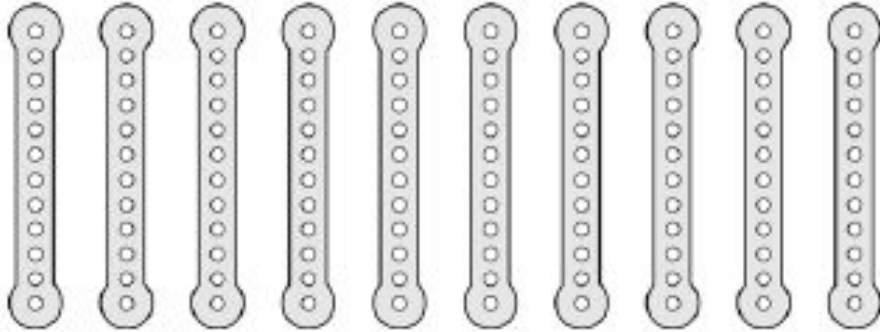
Which picture cannot be made by using only shapes like one below?



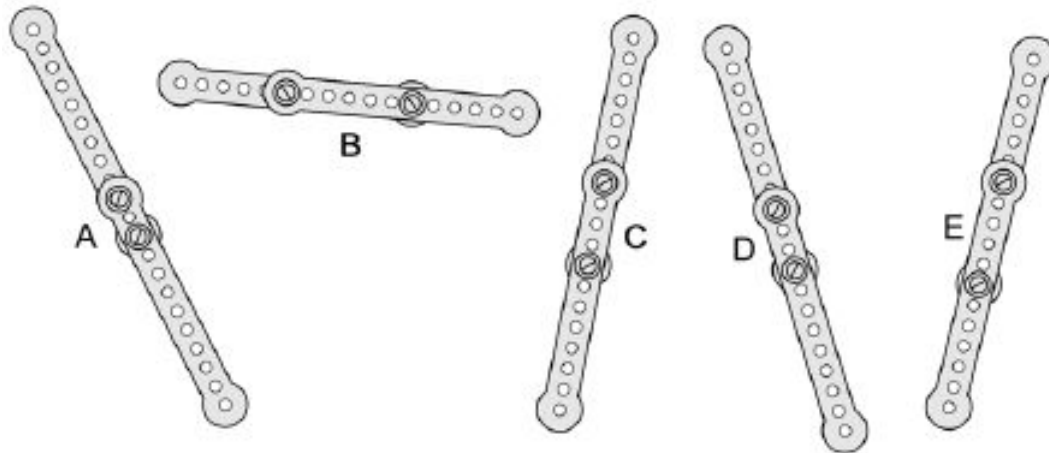
Answer:

MC1 - 2015 - 6

Eric had ten equal metal strips.



He screwed pairs of them together into five long strips as shown below.



Which strip is the shortest?

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

Answer:

MC1 - 2015 - 8

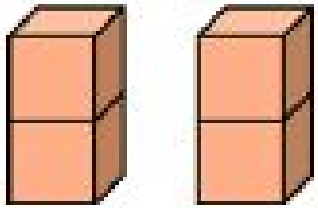
Marko has 9 candies and Tomo has 17 candies. How many candies does Tomo need to give to Marko so that each boy will have the same number of candies?

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

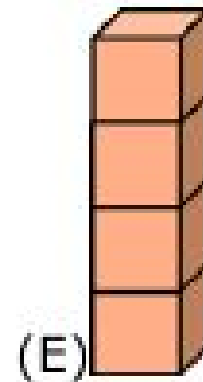
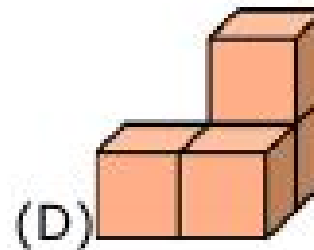
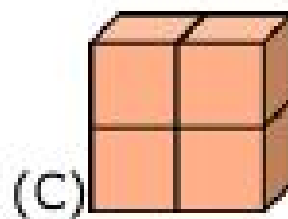
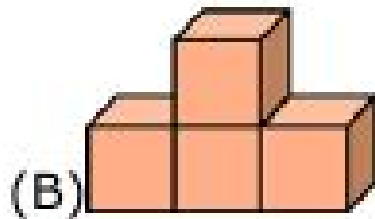
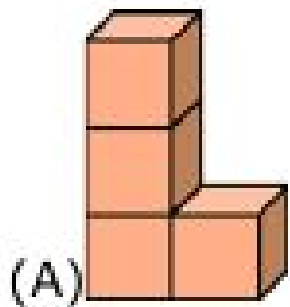
Answer:

MC1 - 2015 - 9

Don made two bricks by sticking cubes together as shown below.



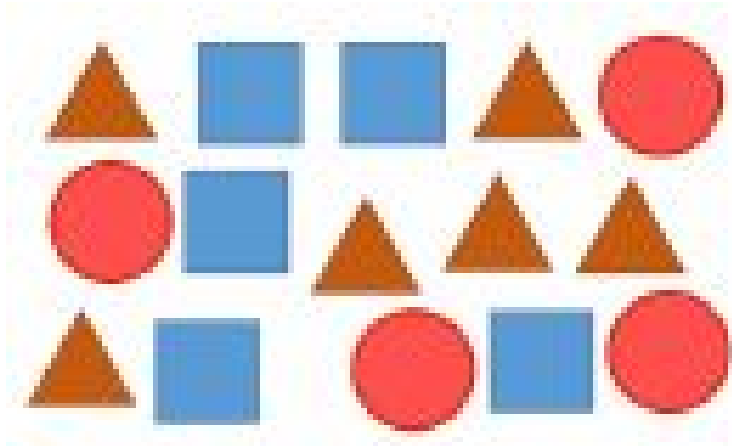
Which structure could not be built using the two bricks?



Answer:

MC1 - 2015 - 12

What is the fewest number of shapes that must be removed so that only shapes of one type will remain?



(A) 4

(B) 5

(C) 6

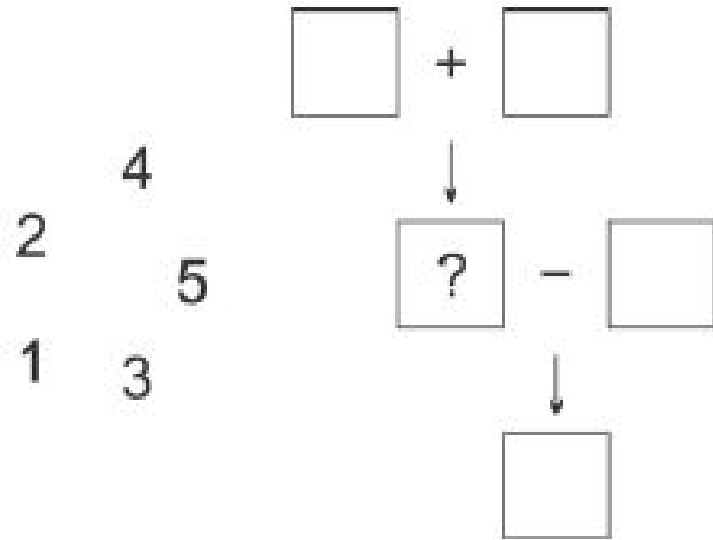
(D) 9

(E) 10

Answer:

MC1 - 2015 - 13

Put the numbers 1, 2, 3, 4, 5 in the boxes so that everything is correct.



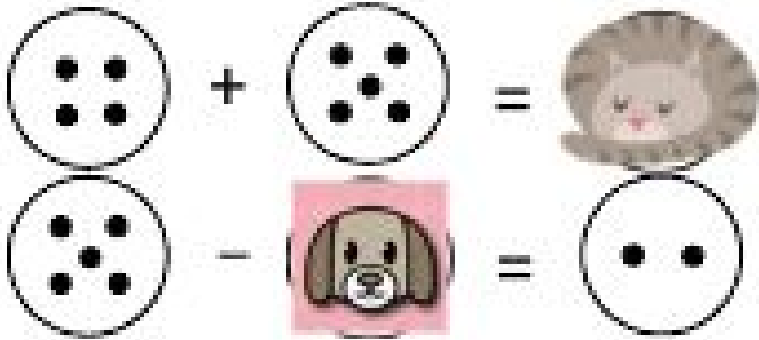
Which number goes into the box marked with the question mark?

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

Answer:

MC1 - 2014 - 6

What numbers of dots are hidden behind the cat and the dog in the equations?



(A) 8 and 2

(B) 9 and 2

(C) 9 and 3

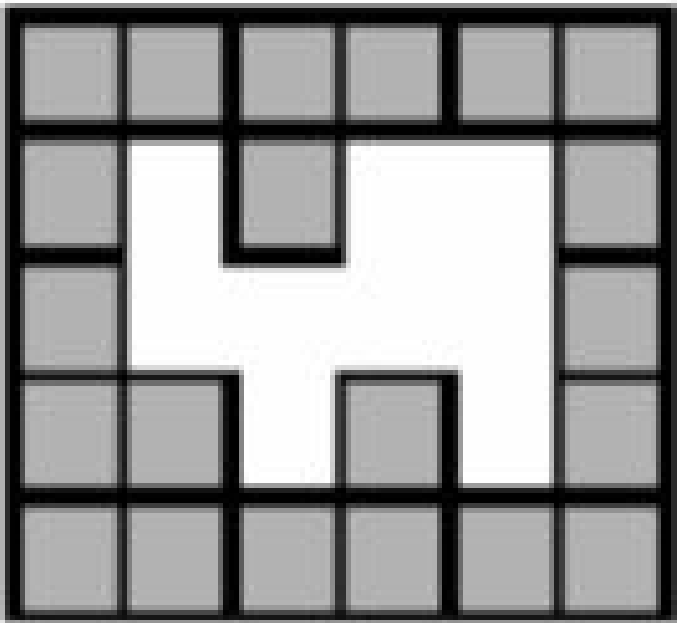
(D) 8 and 3

(E) 7 and 4

Answer:

MC1 - 2005 - 10

How many more square tiles do we need to put on the kitchen floor to cover all of it? (See the picture)



(A) 12

(B) 10

(C) 9

(D) 6

(E) 4

Answer: