## Get a read on your analytical skills

Total points 10

1. This practice quiz will help you get a read on the analytical skills you already have.

1/1 point

After you respond to each question, be sure to check the feedback you receive. This will help you check your own  $thinking\ against\ the\ expected\ thinking\ for\ these\ questions.\ The\ analytical\ skills\ assessed\ in\ this\ quiz\ will\ come\ in$ handy and be further developed as you progress in the program.

Identify the pattern from left to right in the set of blocks below and try to predict which block should replace the block with the question mark.





















**⊘** Correct

This is the missing block. The pattern of the dots increases by one in each block. Therefore, the best answer has five dots.

2. Here's a more complex pattern. Identify the pattern from left to right in the images below and try to predict which image should come next.

1/1 point









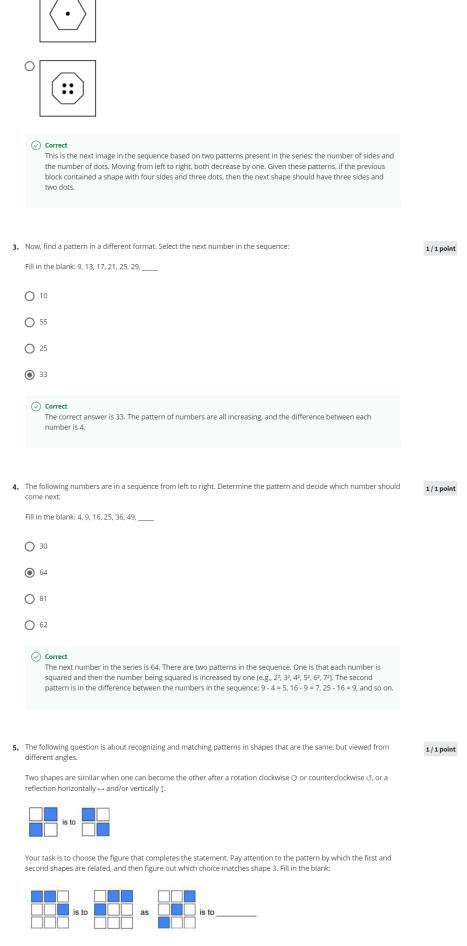




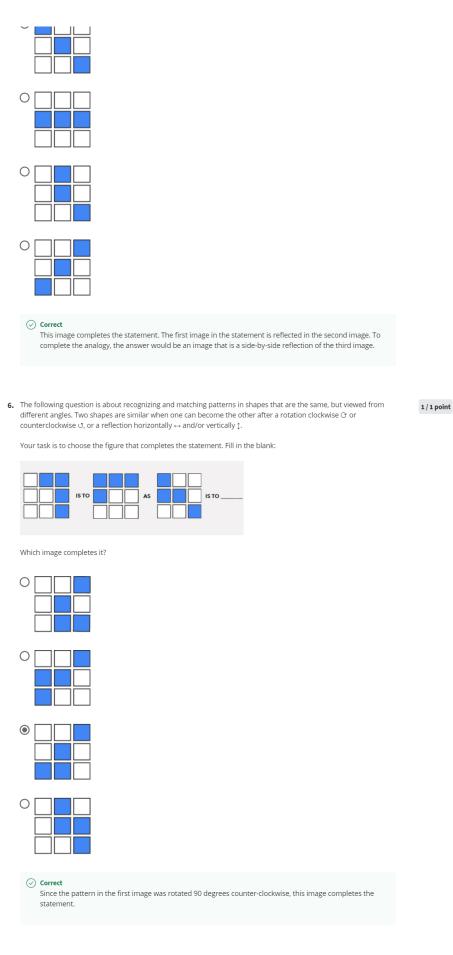
Based on the images above, which option comes next in the pattern?







Select the image below that completes the statement.



7. The following series of codes are in a sequence from left to right. There is a repeating pattern that you will notice. Determine the pattern and decide which code should come next.

1 / 1 point

O D17
O H16
Correct The patterns of this series are the letters listed alphabetically and the numbers increasing by two with each new set. Therefore, following that pattern, the next code would be H15.
The following series of codes are in a sequence from left to right. There is a repeating pattern that you will notice.  Determine the pattern and decide which sequence of letters should come next.
Fill in the blank: A, AA, AAA, B, BA, BAA, BAAA, BB, BBA, BBAA, BBAAA, BBB,
○ BBAA
○ ВВААА
BBBA
○ BBBB
Correct The pattern in this sequence follows the letter A. A is added until there are three As, which is when the letter B takes the place of the previous As, and the pattern continues. Therefore, BBBA is next in the series.
Now, identify patterns in a word problem using a data visualization. There are 12 chocolates in a box: eight have caramel filling, six have coconut filling, and two have both caramel and coconut filling. Choose the best image that describes this box of chocolates.
Caramel Coconut 4 2 4
© Caramel Coconut 6 2 4
Caramel Coconut  2 4 4
Caramel Coconut  4 4 2

1 / 1 point

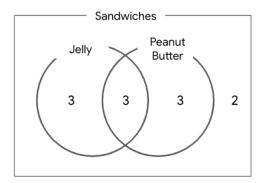
1/1 point

○ Correct
 This diagram depicts six chocolates with caramel filling only, four chocolates with coconut filling only, two chocolates with both caramel and coconut filling, and the total number of chocolates is 12.

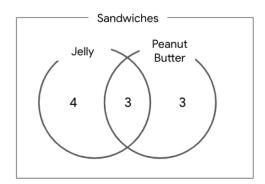


Find out how many children have sandwiches with neither peanut butter nor jelly and choose the image that describes the situation best.

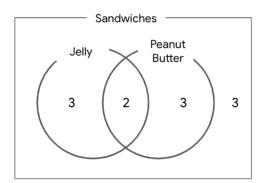
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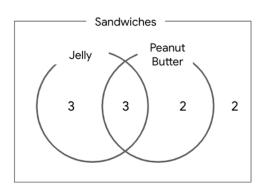
 $\circ$ 



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○ Correct
 In this diagram, there are six sandwiches with jelly, five sandwiches with peanut butter, and three sandwiches with both. This means that there are (5 + 6 - 3 = 8) eight sandwiches with either peanut butter or jelly. There are a total of 10 children. Consider: 10 - 8 = 2. This means two children have neither peanut butter nor jelly in their sandwiches.