Get a read on your analytical skills

TOTAL POINTS 19

1. This practice quiz will help you get a read on the analytical skills you already 10/10 points

 $After you \ respond \ to \ each \ question, \ be \ sure \ to \ check \ the \ feedback \ you \ receive. \ This \ will \ help \ you \ check \ your \ own$ 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.

 $Identify the pattern from \ left to \ right in the set of blocks below and try to \ predict \ which \ block \ should \ replace \ the \ block \ predict \ which \ block \ should \ replace \ the \ block \ predict \ pr$ 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









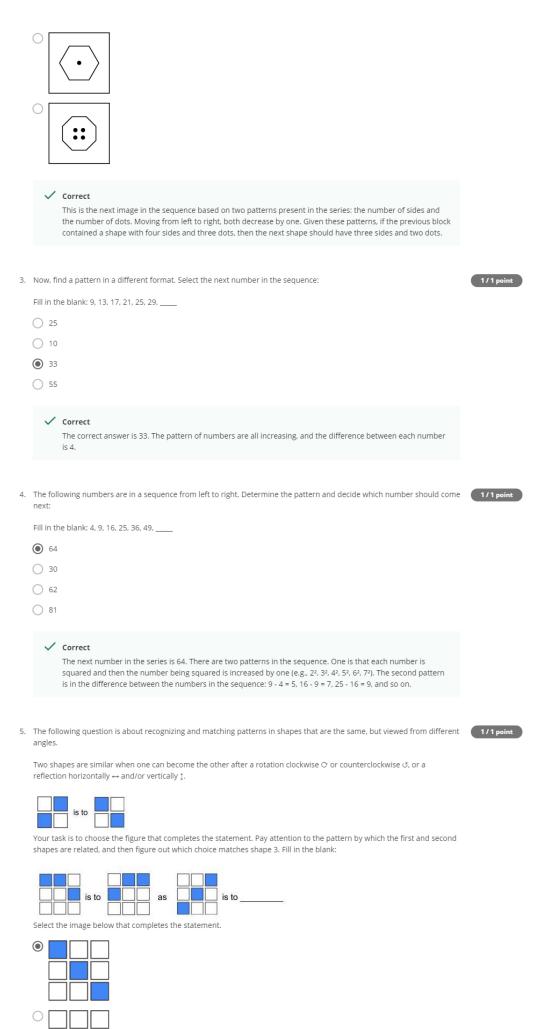




Based on the images above, which option comes next in the pattern?







✓ Correct This image completes the statement. The first image in the statement is reflected in the second image. To complete the analogy, the answer would be an image that is a side-by-side reflection of the third image.	
The following question is about recognizing and matching patterns in shapes that are the same, but viewed from different angles. Two shapes are similar when one can become the other after a rotation clockwise \circ or counterclockwise \circ , or a reflection horizontally \leftrightarrow and/or vertically \circ .	1/1 point
Your task is to choose the figure that completes the statement. Fill in the blank:	
Which image completes it?	
Correct Since the pattern in the first image was rotated 90 degrees counter-clockwise, this image completes the statement.	
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. Fill in the blank: A1, B3, C5, D7, E9, F11, G13, H15 J15 H16 D17	1/1 point

The patterns of this series are the letters listed alphabetically and the numbers increasing by two with each

Fill in the blank: A, AA, AAA, B, BA, BAA, BAAA, BB, BBA, BBAA, BBAAA, BBB, _

8.	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 requests of letters should some payt

1 / 1 point

O BBAA

BBAAABBBA

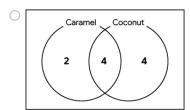
○ вввв

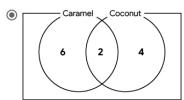


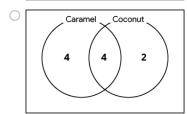
The pattern in this sequence follows the letter A. A is added until there are three As, which is when the letter B takes the place of the previous As, and the pattern continues. Therefore, BBBA is next in the series.

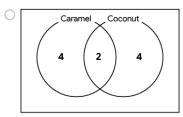
9. Now, identify patterns in a word problem using a data visualization. There are 12 chocolates in a box: eight have caramel filling, six have coconut filling, and two have both caramel and coconut filling. Choose the best image that describes this box of chocolates.

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.

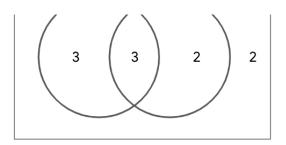
10. There are 10 children in a class and they have all brought sandwiches for lunch: five children have sandwiches with peanut butter, six children have sandwiches with jelly, and three children have sandwiches with both peanut butter and jelly.

1/1 point

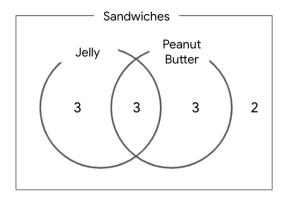
Find out how many children have sandwiches with neither peanut butter nor jelly and choose the image that describes the situation best.



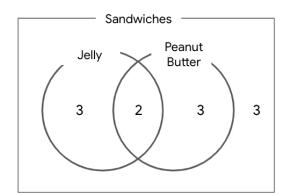




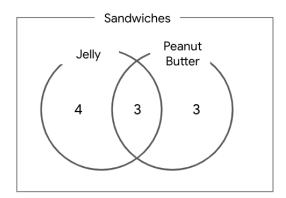
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✓ Correct

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.