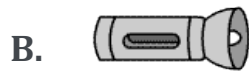
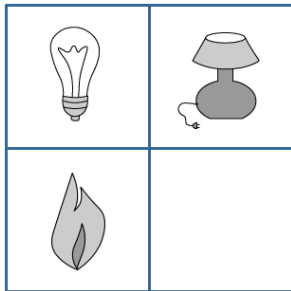


**CogAT**  
**2<sup>nd</sup> Grade**  
**Sample**  
**Test**

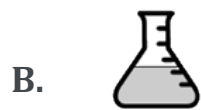
You are about to take the a free sample test of the [CogAT 2<sup>nd</sup> grade](#),

Good luck!

1. The first pair of pictures on top of the box are related in a certain way. Choose a picture that completes the second pair of pictures so that they are related in the same way.



2. Brad is working on a science experiment in a lab, what instrument should he use?



3. The three pictures in the top row are like each other in some way.  
Which picture in the bottom row goes best with the pictures in the top row?



A.



B.



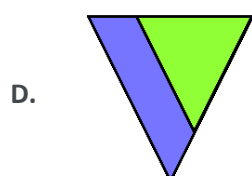
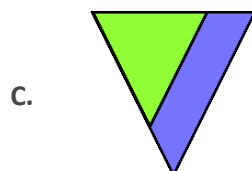
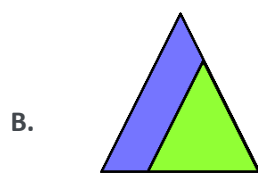
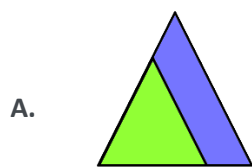
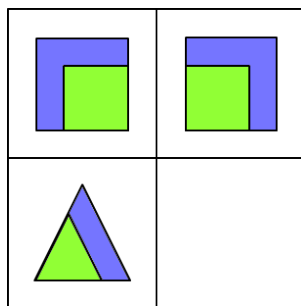
C.



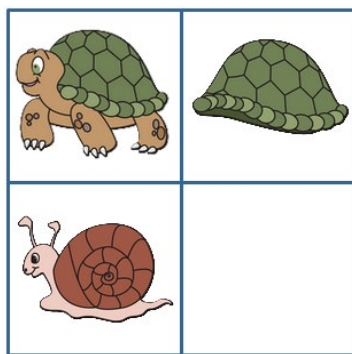
D.



4. The first pair of pictures on top of the box are related in a certain way. Choose a picture that completes the second pair of pictures so that they are related in the same way.



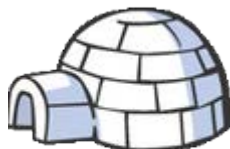
5. The first pair of pictures on top of the box are related in a certain way. Choose a picture that completes the second pair of pictures so that they are related in the same way.

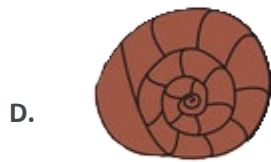
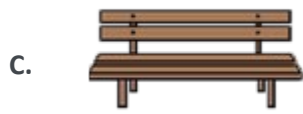


A.

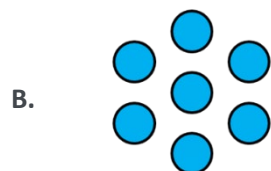
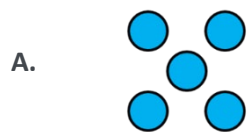
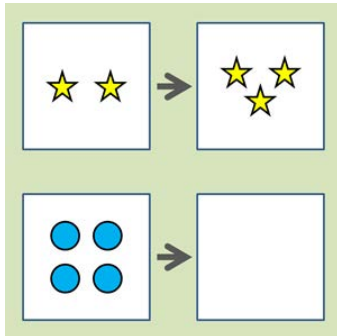


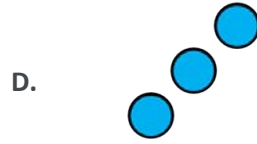
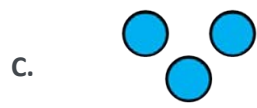
B.





6. The pictures in the top row are related in a certain way. Choose a picture from the answer choices that is related in the same way to the picture in the bottom row.





7.  $\boxed{3} = \boxed{5} - \boxed{?}$

A. 1

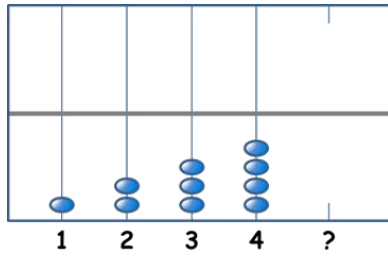
B. 2

C. 7



D. 8

8. Choose the answer choice that completes the pattern.



A.



B.



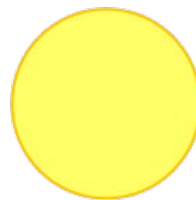
C.



D.

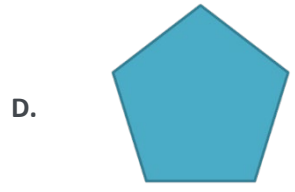
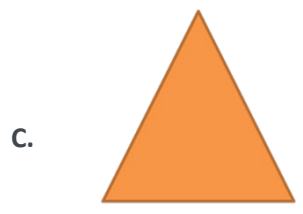


9. The given shapes have a certain pattern. Choose the answer choice that follows the same pattern.

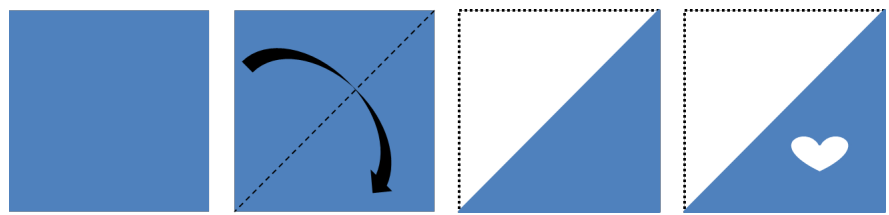


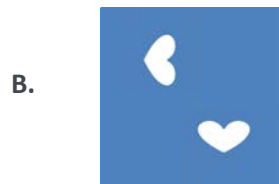
A.





10. The paper is being folded and punched with holes. Choose the answer choice that depicts the paper after it is unfolded.





### Solutions and Explanations

1. **The correct answer is A.** A light bulb is the source of light in a lamp like a flame is the source of light in a candle.

2. **The correct answer is B.** In a lab, a scientist is most likely to use a flask than any of the other pictures shown.

3. **The correct answer is A.**

Look at the top row. All the items in the top row can be **worn on one's head**.

The correct answer should be a similar item.

The umbrella is not a correct answer because although we place it over our heads, it is not a piece of clothing and cannot be worn like all the items in the top row.

The suit of armor is also not a correct answer because although it matches one of the items we see above (the helmet), it is not worn on one's head, which is what all the items above have in common.

The scarf is not a correct answer because although it is something we wear, we wear it around our neck and not on our head.

We are left with the bicycle helmet as the best possible answer. Therefore, it is the correct choice.

4. **The correct answer is B.**

Look at the top row. The figure on the right is a mirror image of the figure on the left. The figures in the bottom row will follow the same pattern. The answer choice will be the mirror image of the figure on the left.

5. **The correct answer is D.** A turtle shell encloses a turtle just as a snail shell encloses a snail.

6. **The correct answer is the A.**

Look at the top row, in the left frame we have 2 stars and in the right frame we have 3 stars. 3 is greater than 2 by 1 ( $2 + 1 = 3$ ).

In the bottom row we should have the same relationship. Since in the left frame we have 4 circles, in the right frame we should have 1 more circle.

$$4 + 1 = 5$$

Therefore, the answer choice with 5 circles is the correct answer.

**7. The correct answer is B**

In order to answer this question we need to make both sides of the equal sign the same, to do so we have to find the number that we subtract from 5 to make 3. That number is 2, since if we subtract 2 from 5 we get 3.

$$5 - 2 = 3$$

Therefore, **B is the correct answer.**

**8. The correct answer is E**

As we go from left to right the number of beads on each string grows by 1. Since we have 4 beads on the last string, we should have 1 more bead on the next string which makes 5 beads.

Therefore, the correct answer is the one with 5 beads.

**9. The correct answer is A.**

In this question the three figures are all circles.

The only answer choice that is a circle is the 1st choice. The rest of the answers are all shapes that are different than the shapes in the question.

Therefore, **A is the correct answer.**

**10. The correct answer is B.**

First, the paper is folded in half to make a triangle. Then, a heart is cut out of the folded paper. Consequently, there will be two heart cut-outs when the paper is unfolded again. This eliminates answer choices C and D. Also, the second heart must be rotated 90° clockwise and flipped vertically since the paper was folded along the diagonal. This further eliminates answer choice A.

**We are left with answer choice B as the correct answer.**

If you are looking for additional practice try our [full CogAT 2<sup>nd</sup> grade prep pack](#)