CogAT
1st Grade
Sample
Test

1. Choose the shape that completes the bottom pair so it shares the same relationship as the top pair.
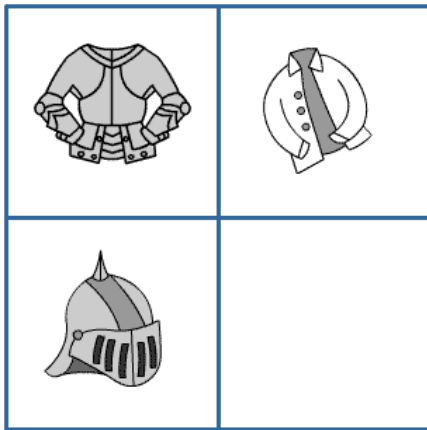
A.

B.

C.

D.

2. Lauren's dad prepared a picnic basket for her and her sisters with five food items, choose the basket he prepared.

A.

B.

C.

Full CogAT 5th Grade Prep Pack

3. Which picture from the answer choices belongs with the others?
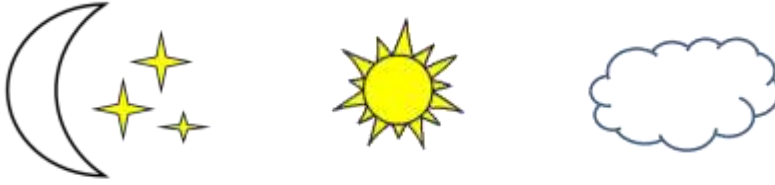
E.

F.

G.

4. 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.

A.

B.

C.

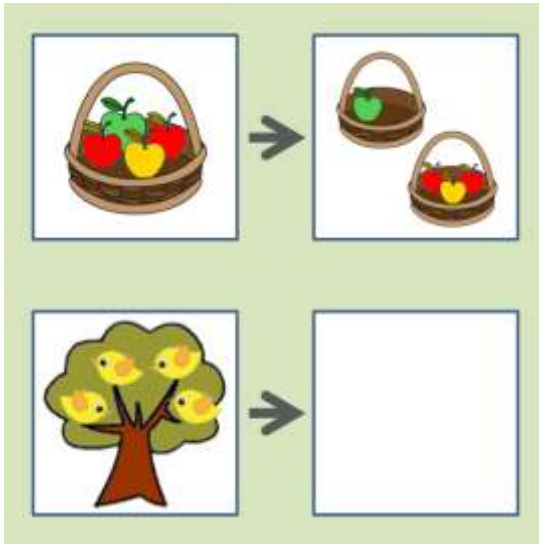5. The pictures in the top row are related in a certain way. Choose a picture from the answer choices that is related in the same way to the picture in the bottom row.
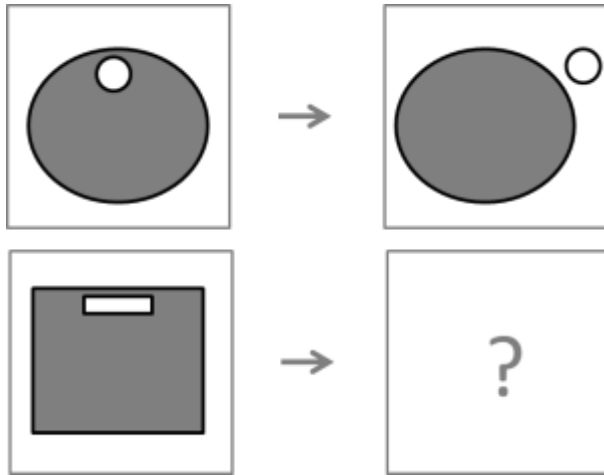
A.

B.

C.
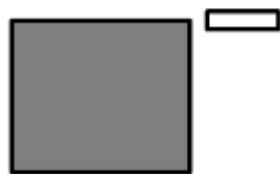
6. Choose the answer choice that completes the pattern.

A.

B.

C.

D.
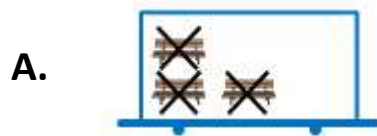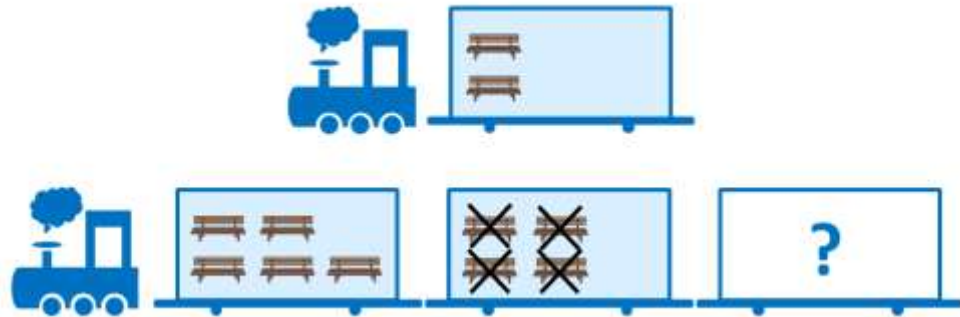
7. Choose the answer choice that completes the pattern.

A.

B.

C.
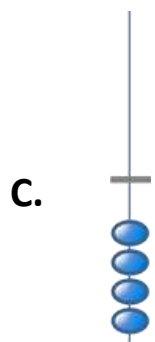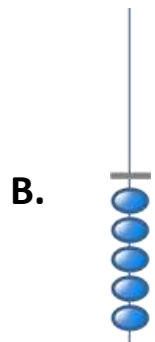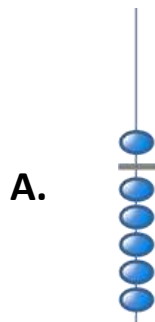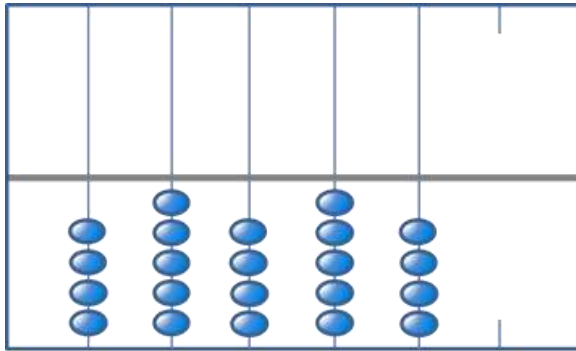
8. The paper is being folded and cut. Choose the answer choice that depicts the paper after it is unfolded.

A.

B.

C.

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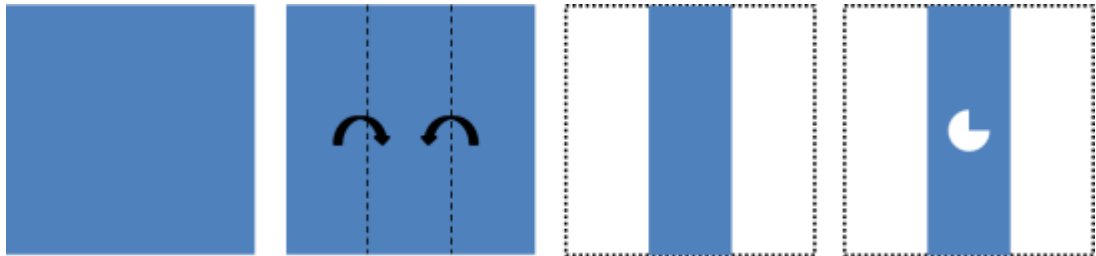
A.

B.
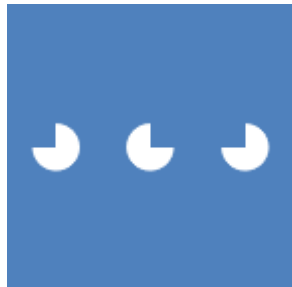
C.
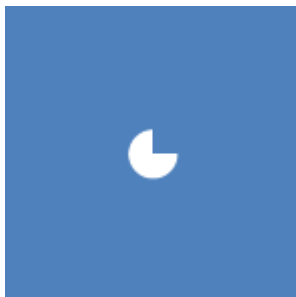
10. Which picture from the answer choices belongs with the others?

A.

B.

C.
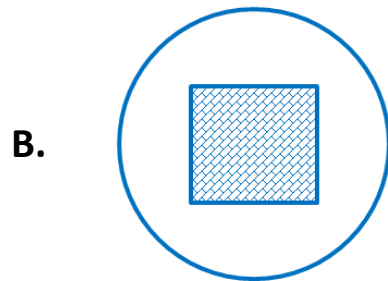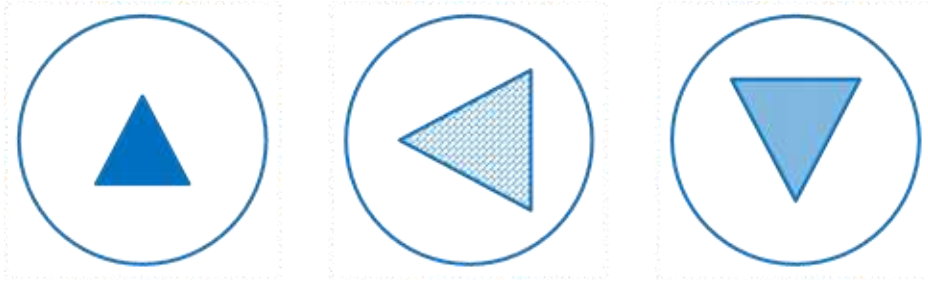
Solutions and Explanations

1. **The correct answer is 2.**

   Armor is a hard kind of suit, like a helmet is a hard kind of hat.

2. **The correct answer is 1.**

   In answer choice 1 we have a basket with four apples and one banana, which are 5 items. Therefore, this is the correct answer.

   In answer choice 2 we have a basket with one pie and one apple, which are 2 items.   Therefore, this is not the correct answer.

   In answer choice 3 we have a basket with 4 bananas. Therefore, this is not the correct answer either.

3. **The correct answer is the 1st choice.**

   Look at the top row. All the items in the top row are things that appear naturally in the sky. The correct answer should be a similar item.

   The airplane and the kite are incorrect because although they appear in the sky, they are man-made and not a part of nature.

   Therefore, the rainbow is the best possible answer and is the correct choice.

4. **The correct answer is the 3rd choice.**
   Look at the top row. In the left frame we have a basket with 4 apples: one green, one yellow and two red.

   In the right frame we have the same 4 apples, divided into two baskets.In the bottom row we should have the same relationship.

   In the left frame we have tree with 4 birds, so in the right frame we should have the same 4 birds, sitting on two trees.

   Answer choice 1 is incorrect because it has only 3 birds sitting on only one tree.

   Answer choice 2 is incorrect because it has only 3 birds as well. Therefore, **answer choice 3 which has 4 birds sitting on two trees is the correct answer.**

5. **The correct answer is 3.**

   In the top row we have two figures - how do they go together?

   The outer shape on the right looks like the one on the left, only the smaller shape inside it has been moved outside.

   In the bottom row we have a single figure, and we need to find a figure that will go together with it in the same way that the two figures above go together.

   In answer choice 1 the outer shape has turned on its side and the smaller shape remained inside it, so it is not the right answer.
   In answer choice 2 the smaller shape has not been moved outside completely, part of it is still inside, so it is not the right answer either.

   We are left with answer choice 3, which is the correct answer.

6. **The correct answer choice is 4 (add one bench).**

   In the first train there are two benches. In the second train there are five benches in the first car, but four benches are taken away in the second car, so we now have one bench (5 - 4 = 1).

   How many benches do we need to add to or take off the second train so both trains will carry the same number of benches? We need to add one bench to the second train, because 1 + 1 = 2.

   The only answer choice that shows this number of benches is answer choice 4, which is the correct answer.

7. **The correct answer is the 2nd answer choice (5 beads).**

   At first glance, we can we see that the number of beads is small and then large and then small again and so on.

   Since the last string in the question has a small number of beads, the next string should have a larger number of beads, so we know that answer choice 3 is not the correct answer because it has the same number of beads as the last string. To find the correct answer, we need to figure out the pattern of the beads in the question.

   As we go from left to right first we have 4 beads and then 5 beads, then we have 4 beads and 5 beads again, and finally 4 beads.

   The number of beads changes back and forth between 4 and 5. Since on the last string we have 4 beads, there should be 5 beads on the next string.

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

8. **The correct answer is 1.**

First, the square paper is folded in half lengthwise. Then, a large triangular shape is cut out of the folded paper. Therefore, both sides of the unfolded paper will be missing this piece.

Answer choice 2 is incorrect because the cut that was made did not reach the upper edge of the paper, so this edge should be whole. Answer choice 3 is incorrect because the right side does not mirror the left side.

We are left with answer choice 1, which is the correct answer.

9. **The correct answer is 2.**

First, the square paper is folded from the left and right edges towards the middle of the square, forming three layers. Then, a small shape is cut out of the folded paper. Therefore, all three parts of the unfolded paper will be missing this shape. The shape should flip over each fold and mirror the one opposite it.

Answer choice 1 is incorrect because the shapes are all identical and do not reflect each other like in a mirror.
Answer choice 3 is incorrect because it only has one shape and not three.

We are left with answer choice 2, which is the correct answer.

10. **The correct answer is 1.**

In this question all three figures are circles with a triangle inside. Answer choice 2 includes a square and not a triangle, so it can be eliminated.

Answer choice 3 does not include a circle, so it can be eliminated as well.
The only answer choice that follows the rule is the 1st choice.

Therefore, the 1st choice is the correct answer.

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