CCAT Grade 4

PDF Sample Test

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Practice Questions

CCAT Grade 4 Nonverbal Battery Sample Questions

Question #1

Figure Matrices Practice Question

In each row and/or column, the pictures change in the same way or follow the same rule.

Choose the answer that goes in the empty box in the matrix following the same rule.
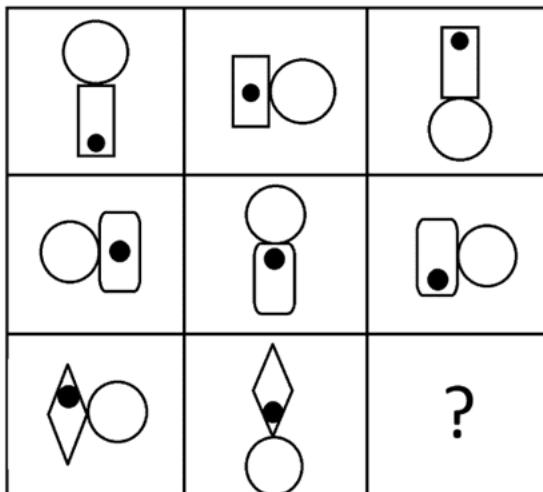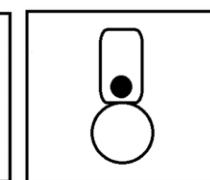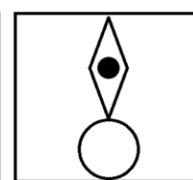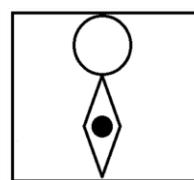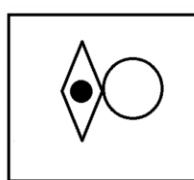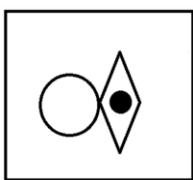
Figure Classification Practice Question

The Figure Classification question shows three pictures that share a connection or a characteristic. Choose the answer that shares the same connection/characteristic from the answer choices.
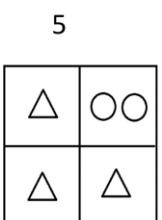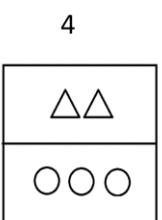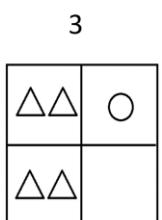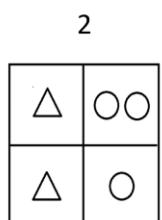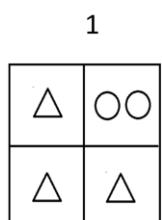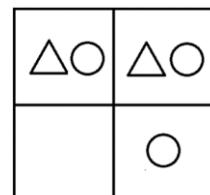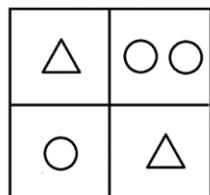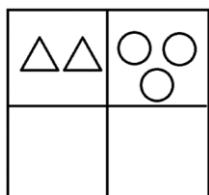
Question #3

Paper Folding Practice Question

This question shows a paper folded several times and then punched with holes. The answer choices contain unfolded papers with punched-in holes. You need to determine which of the answer choices is the final product of the unfolded punched-in paper.
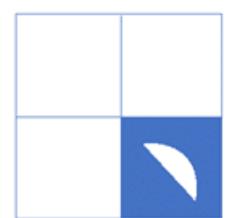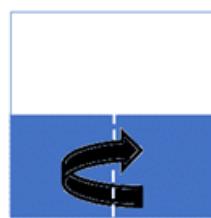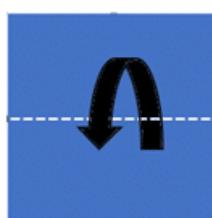
CCAT Grade 4 Quantitative Battery Sample Questions

Question #4

Number Analogies Practice Question

These questions provides two pairs of numbers with a certain mathematical connection and another number that shares that connection with one of the answer choices. Find the missing number for the third pair.

[2 → 10] [5 → 16] [8 → ?]

      A. 22
      B. 20
      C. 18
      D. 16
      E. 14

Question #5

Number Series Practice Question

This question provides a series of numbers that have a rule. Use the rule to determine which number will come next in the series.

4 9 7 13 10 17 ?

      A. 21
      B. 19
      C. 17
      D. 15
      E. 13

Question #6

Number Puzzles Practice Question

In this question type, you are given a set of equations. You must solve the equations to determine the number that goes instead of the question mark.

? + 6 = 24 ÷ ◊
2 + ◊ = 5

>   **A.** 4
>   **B.** 2
>   **C.** 5
>   **D.** 6
>   **E.** 3

CCAT Grade 4 Verbal Battery Sample Questions

Question #7

Verbal Analogies Practice Question

Each question provides a pair of words that go together in a certain way and a third word. Choose a word from the answer choices that goes together with the third word in the same way.

forest → trees : archipelago → ?

>   **A.** mountains
>   **B.** oceans
>   **C.** volcanoes
>   **D.** islands
>   **E.** lakes

Question #8

Sentence Completion Practice Question

Choose the words from the answer choices that best complete the sentence.

In order to prevent a disagreement from _____, it is best for people to try to resolve their differences _____.

    A. worsening .. gradually
    B. improving .. unexpectedly
    C. escalating .. early
    D. vanishing .. suddenly
    E. prolonging .. slowly

Question #9

Verbal Classification Practice Question

Each question provides three words that are alike in some way. Decide how they are alike, and choose the word that belongs in the same group as the first three words.

frame | chandelier | art

    A. couch
    B. shelf
    C. vase
    D. pillow
    E. table

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Correct Answers & Explanations

Question #1

Correct answer: 1

Explanation:

The first two rows show the following relationship between the figures: There are two main shapes in contact in different positions in all figures of the same row, and a black dot inside the non-circular shape. The shapes do not change, but their mutual position does.

The large white circle makes one-quarter a rotation clockwise with respect to the previous position, while the black dot is located in one of the three positions (top, middle, bottom) inside the non-circular shape.

Given this description, it is clear that the empty box must contain a diamond with a white circle on its left and a black dot in the middle.

Therefore, the correct answer is 1.

Question #2

Correct answer: 2

Explanation:

All three original figures share two common features: all of them are squares divided into four quarters, and they contain three small circles and two small triangles each, distributed among the four quarters.

The only figure in the options that meets all these conditions is the 2nd one.

Question #3

Correct answer: 5

Explanation:

Then, the remaining half-square was refolded horizontally in two quarters from left to right.

Then, one hole was punched at the bottom-right quarter figure that remained; it is part of a circle with one straight part. The shape's orientation is diagonal, from top-left to bottom right.

Since the paper was folded in half twice, the holes were cut through four layers of paper.

Therefore, when the paper is unfolded, it will have four holes: 1 hole x 4 layers = 4 holes.

Since the paper was folded in half twice, all holes are mirrored both horizontally and vertically. This means the horizontal and vertical creases act as mirrors for the shapes. Thus, there will be four diagonal shapes – one in each figure part. The orientation will be inwards.

The only figure in the option that fits this description is the 5th one.

Question #4

Correct answer: 22

Explanation:

The number on the right side is obtained by multiplying the number on the left side by 2 and then adding 6 to the answer.

The numbers obtained are:

2*2 + 6 = 10

5*2 + 6 = 16

And 8*2 + 6 = 22.

Question #5

Correct answer: 13

Explanation:

In the series, the next number is obtained by adding 3 to the numbers placed at odd positions and by adding 4 to the numbers placed at even positions.

The sequence is 4+3=7, 9+4=13, 7+3=10, 13+4=17 and 10+3= 13.

Question #6

Correct Answer: 2

Explanation:

We need to find the missing number (represented by "?") that, when added to 6, equals the result of 24 divided by ◊.

Step 1: Solve for ◊
We are given that: 2 + ◊ = 5
To find the value of ◊, we subtract 2 from 5:

5 – 2 = 3

So, ◊ equals 3.

Step 2: Solve for the missing number

Now that we know that ◊ = 3, we can substitute that into the first equation:

? + 6 = 24 ÷ 3
First, we perform the division:

24 ÷ 3 = 8

Now the equation looks like this:

? + 6 = 8
To find the missing number, we subtract 6 from 8:

8 – 6 = 2

So, the missing number is 2.

Question #7

Correct answer: islands

Explanation:

This is a part-to-whole analogy. A forest is made up of trees; an archipelago is a group of islands.

Question #8

Correct answer: escalating .. early

Explanation:

The sentence advises that to avoid a disagreement getting worse, it's best to address the issue early on.

"Escalating" and "early" make the most sense in this context.

Question #9

Correct Answer: shelf

Explanation:

A frame, a chandelier, art, and a shelf are all things you can hang.

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