

JOHNS HOPKINS  
U N I V E R S I T Y

Center for Talented Youth

# SCAT

## School and College Ability Tests

SAMPLE QUESTIONS 6TH GRADERS  
AND ALL HIGHER GRADES -

### Directions

Mark your answers on a separate answer sheet. Mark only one answer for each question. If you want to change an answer, erase your first mark completely.

Note: The actual CTY test will be delivered via computer, will have more items, more difficult items and will include topics not covered in the shortened practice test.

## Part I — 5 minutes

## Directions

Each question begins with two words. These two words go together in a certain way. Under them, there are four other pairs of words lettered A, B, C, and D.

Find the lettered pair of words that go together in the same way as the first pair of words.

- 1 alphabet : letter ::  
A novel : mystery  
B synthesis : opinion  
C orchestra : instrument  
D data : quantity
- 2 calf : cow ::  
A puppy : dog  
B nest : bird  
C horse : bull  
D shell : turtle
- 3 radiant : somber ::  
A savory : delightful  
B pandemonium : din  
C intrepid : obvious  
D ample : scant
- 4 esteem : admirable ::  
A disapproval : imitated  
B disdain : repugnant  
C envy : dismissed  
D favor : contentious
- 5 likeness : caricature ::  
A poem : song  
B photograph : portrait  
C fiction : nonfiction  
D drama : parody
- 6 pseudonym : author ::  
A title : nobility  
B degree : scholar  
C alias : lawbreaker  
D mask : costumer
- 7 myopia : nearsightedness ::  
A vertigo : dizziness  
B neurosis : psychosis  
C epidemic : fever  
D apoplexy : anger
- 8 symphony : note ::  
A graph : bar  
B code : language  
C novel : short story  
D painting : brushstroke
- 9 hermit : solitary ::  
A donor : sacrificial  
B inquisitor : malicious  
C pessimist : negative  
D politician : eloquent
- 10 principal : school ::  
A consultant : government  
B advisor : court  
C senator : congress  
D president : nation

## Part II — 5 minutes

## Directions

Each of the following questions has two parts. One part is in Column A. The other part is in Column B.

You must find out if one part is greater than the other, if the parts are equal, or if not enough information is given for you to decide.

Then, choose one of the four answers below:

- A if the part in Column A is greater  
 B if the part in Column B is greater  
 C if the two parts are equal  
 D if not enough information is given to decide

Note: Letters such as  $n$  and  $k$  stand for real numbers. If the same letter appears in both columns of a question, it stands for the same number.

## Column A

## Column B

- |   |  |
|---|--|
| 1. $0.720 + 0.004$  | $0.072 + 0.400$  |
| 2. The value of $n$<br>if $3n - 1 = 14$                   | The value of $k$<br>if $3k + 1 = 11$                   |
| $n < 8$   |  |
| 3. $n$  | 6  |
| 4. The value of a<br>number if 6 times<br>the number is 6 | The value of a number<br>if 5 times the number<br>is 5 |
| 5. The greatest odd<br>number less than 29                | The least odd number<br>greater than 27                |

## Column A

## Column B

- |   |   |
|---|---|
| 6. $3 \text{ hours } 40 \text{ minutes}$<br>$+ 2 \text{ hours } 40 \text{ minutes}$ | $7 \text{ hours } 20 \text{ minutes}$<br>$- 40 \text{ minutes}$ |
| 7. 25%  | $\frac{3}{8}$   |
| 8. A distance of 100<br>meters  | A distance of<br>$\frac{2}{10}$ kilometer                       |
| 9. 29 Days  | Number of days in<br>Month $k$                                  |
| 10. $(35 \times 50)$  | $(35 \times 5) + (35 \times 10)$                                |

## Answer Key

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### Verbal

- 1.C
- 2.A
- 3.D
- 4.B
- 5.B
- 6.C
- 7.A
- 8.D
- 9.C
- 10.D

### Quantitative

- 1.A
- 2.A
- 3.D
- 4.C
- 5.B
- 6.B
- 7.B
- 8.B
- 9.D
- 10.A

PARENTS! Your child's performance on the real test will vary from their performance on these sample questions. The purpose of these sample questions is to help you familiarize your child with the test format. The real test will be given on a computer and will have harder questions. CTY does not provide a comprehensive list of topics.