

## Number Analogies

### Directions

Each of these questions starts with two numbers that are linked together in some way. Next there are two more numbers that are linked in exactly the same way. You have to work out how the numbers are linked and then complete the third pair. Look at the example below.

### Example

[2 → 3] [9 → 10] [6 → ?]      A 3    B 4    C 5    D 6    E 7

What do you have to do that gets you from 2 to 3 and also from 9 to 10?

You have to add 1. So, 6 changes to 7. The correct answer is **E**, 7. This is how you would show the answer:

[A] [B] [C] [D] [E]

This is just one example. In the test you might have to add, subtract, multiply or divide to get the second half of each pair. Remember, you must always check that what you decide for the first pair also works for the second pair.

Go to next page >>

Now try some practice questions. Mark your answer choices by filling in the correct box on the answer sheet. Remember, if you want to change your answer, rub out your first choice and mark your new letter choice.

### Practice 1

[5 → 4] [8 → 7] [3 → ?]      F 1    G 2    H 3    J 5    K 6

### Practice 2

[1 → 2] [5 → 10] [4 → ?]      L 5    M 7    N 8    P 9    Q 10

For some questions, you will have to do two operations to get from the first to the second number in each pair. For example, you might have to add and then divide.

Now try another practice question.

### Practice 3

[3 → 7] [5 → 11] [4 → ?]      R 5    S 6    T 8    U 9    V 10

Remember, you are working out the way to get from the first number to the second number in each of the three pairs. This rule will work for all three pairs in a question. When you go on to the next question, you will have to work out a new rule that works for that question.

Do all of the questions in this test the same way. Try to answer every question.

You will have **10** minutes to work on this test.

Please DO NOT go on until you are told to do so

**STOP**