



What is returned for Test2(18,5)?

```
public static int Test2(int x, int y)
{
    if (x < y)
        return -5;
    else
        return ( Test2(x-y, y+5) +6);
}
```


Select one:

- ☐ a. 6
- ☐ b. -5
- ☐ c. 1
- ☒ d. 7

محمد علي





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What value is returned for test(7)?

```
public int test(int x)
{
    if (x < 8)
        return (2 * x);
    else
        return ( 3 * test(x-8) + 8);
}
```

Select one:

- ☐ a. 0
- ☐ b. 7
- ☐ c. -5
- ☐ d. 14



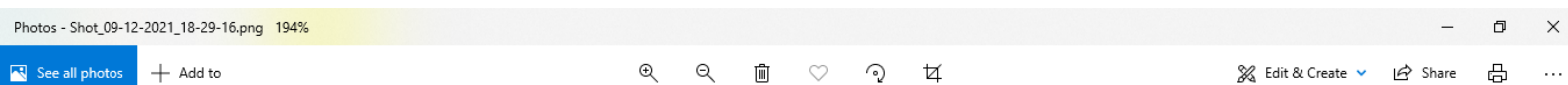
How many times will the following method call itself, if 10 is passed as the argument?

```
public static void message(int n)
{
    if (n > 0)
    {
        Console.WriteLine("Print this line.\n");
        message(n+1);
    }
}
```

Select one:

- ☐ a. 9
- ☐ b. 10
- ☒ c. An infinite number of times
- ☐ d. 1

... محمد علي



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- ☐ a. A return statement
- ☐ b. A counter
- ☐ c. Some way to control the number of times it repeats itself
- ☐ d. A predetermined number of times it will execute before terminating

Select one:

- ☐ a. A return statement
- ☐ b. A counter
- ☒ c. Some way to control the number of times it repeats itself
- ☐ d. A predetermined number of times it will execute before terminating

[Clear my choice](#)



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- ☐ a. must have no return value.
- ☐ b. is a method written in Java.
- ☒ c. Calls itself
- ☐ d. is actually not a method.



## Question 4

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What is returned for fun(1, 2)?

```
public static int fun(int x, int y)
{
    if (x < y)
        return 1;
    else
        return fun(x-y, x+y);
}
```

Select one:

- ☐ a. 2
- ☐ b. 0
- ☐ c. -1
- ☒ d. 1

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## Question 3

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What is returned for fun(4,2)?

```
int fun(int x, int y)
{
    if (x > y)
        return 2;
    else
        return fun(x-y, x+y);
}
```

Select one:

- ☐ a. -2
- ☐ b. 0
- ☒ c. 2
- ☐ d. 4



