1. Does answer evaluate to true or false?

Show Results 20/20 Students Answered

A True

B False

No Explanation

```
long x = 10;
long y = x - 4;
boolean answer = y >= 6;
```

x: 10

y: 6

answer: true

2. Does answer evaluate to true or false?

Show Results 20/20 Students Answered

A True

B False

No Explanation

```
int x = 7;
int y = x % 2; 1
boolean answer = y >= 3;
```

1 >= 3 => false

3. Does answer evaluate to true or false?

Show Results 20/20 Students Answered

A True

B False

No Explanation

```
int x = 10;
int y = 20;
boolean answer = !(x > y);
```

10 > 20

!(false)

true

4. Does answer evaluate to true or false?

Show Results 20/20 Students Answered

A True

B False

i No Explanation

```
int x = 5;
int y = 8;
int z = 15;

boolean answer = (x > y) || (z % x == 0);
```

5 > 8 → F

15 % 5 → 0 == 0 → T

F || T → T

5. What does this code display?

Show Results 20/20 Students Answered

A Under

B Over

C Under the limit

D Under Over the limit

E the limit

i No Explanation

println => print line -means hit the enter key after printing

System.out.print => does not hit enter key after printing

```
int sum = 14;

if (sum < 20) {
   System.out.println("Under");
}
else {
   System.out.println("Over");
}
System.out.println("the  limit");
```

T

F

Back to Results Table

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6. What does this code display?

Show Results 20/20 Students Answered

A Apple

B Orange

i No Explanation

```
boolean p = true;
boolean q = false;

if ( p && q) {
   System.out.println("Apple");
} else {
   System.out.println("Orange");
}
```

T && F => False

7. What does this code display?

Show Results 20/20 Students Answered

A Apple

B Orange

C Banana

No Explanation

```
boolean p = true;
boolean q = true;

if (!p || !q) {
    System.out.println("Apple");
} else if (p ^ q) {
    System.out.println("Orange");
} else {
    System.out.println("Banana");
}
```

```
boolean p = true;
boolean q = true;
  F  F  F
if (!p || !q) {
  sout("Apple");
} else if ( p ^ q) {
   sout ("Orange");
} else {
   sout ("Banana");
}
```

8. Is the x variable accessible at the location of the comment?

Show Results 20/20 Students Answered

A Yes

B No

No Explanation

```
int x = 6;
int y = -2;

if (y < 0) {
    // Is the x variable accessible here?
}
```

```
int x = 6;
int y = -2;

if ( y < 0) {
  //  can we access x in this block??
}
```

9. Is the y variable accessible at the location of the comment?

Show Results 20/20 Students Answered

A Yes

B No

No Explanation

```
int x = 6;
int y = -2;

if (y < 0) {
    int z = x * y;
}

// Is the y variable accessible here?
```

10. Is the z variable accessible at the location of the comment?

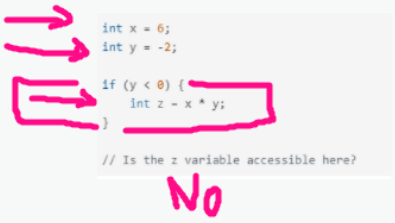
Show Results

20/20 Students Answered

A Yes

B No

No Explanation



```
int x = 6;
int y = -2;

if (y < 0) {
    int z = x * y;
}

// Is the z variable accessible here?
```

No