**Your grade: 100%**

Your latest: **100%**  •  Your highest: **100%**  •  To pass you need at least 80%. We keep your highest score.

Next item →

**1.** What does the following logical operator mean?

=A1 **<>** 200

1 / 1 point

○ Is Less Than

◉ Is Not Equal To

○ Is Greater Than

○ Is Equal To

⊘ **Correct**
Correct! This combination of symbols allows you to compare two entries and check that they are not the same.

**2.** What outputs can a Logical Function produce? Select all options that apply.

1 / 1 point

☑ True

⊘ **Correct**
Correct! A Logical Function tests for a condition. If the condition is met it returns the value TRUE.

☐ N/A

☑ False

⊘ **Correct**
Correct! A logical function tests for a condition. If the condition is met it returns a value FALSE.

**3.** What will the result of this Formula be?

1 / 1 point

| | A | B | C | D |
|---|---|---|---|---|
| 1 | 15 | 25 | 29 | =OR(A1>25,B1>25,C1>25) |
| 2 | | | | |

◉ TRUE

○ FALSE

○ C1

⊘ **Correct**
Correct! This Formula contains three assessments checking for different conditions. The OR Function will return a TRUE result if even one of the conditions is TRUE.

**4.** What will the result of this Formula be?

1 / 1 point

| | A | B | C | D |
|---|---|---|---|---|
| 1 | 2 | | | |
| 2 | 10 | | | |
| 3 | 100 | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | 150 | | =IF(A6>1000,A6*A3,A6*A2) | |
| 7 | | | | |
| 8 | | | | |

○ 15,000

○ 300

◉ 1,500

⊘ **Correct**
Correct! A6 multiply by 10 is the Value if False action. Since the condition is False this is the calculation Excel will perform.

**5.** What will the result of this Formula be?

1 / 1 point

| | A | B | C | D | E | F | G | H | I | J |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | Monday | 5 | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | Tuesday | | | | | | | | | |
| 10 | Wednesday | | | | | | | | | |
| 11 | Thursday | | | | | | | | | |
| 12 | Friday | | | | | | | | | |
| 13 | Saturday | =IFS(B8=1,A8,B8=2,A9,B8=3,A10,B8=4,A11,B8=5,A12,B8=6,A13,B8=7,A14) | | | | | | | | |
| 14 | Sunday | | | | | | | | | |
| 15 | | | | | | | | | | |

◉ Friday

◯ Wednesday

◯ Sunday

> ⊘ **Correct**
>
> Correct! When Excel is calculating the IFS Formula, when a test returns a FALSE result, Excel will move on to the next test automatically. The first four tests produced a FALSE result, but the fifth test, B8=5 was TRUE. Therefore, the Formula returns the value held in A12.