What value is assigned to k in the code: int k = 13 / 2 + 25 % 10;

- 8
- **✓**() 11
 - 11.5
 - **21**

Question 2

Which of the code samples correctly declares and fills a char variable?

- char c = "A";
- ✓ char c;
 c = 'X';
 - string s; s = "P":
 - All of the choices are correct

Question 3

Which of the data sets would cause input failure on the code?

int k;
double d;
char c;
cin >> k >> d >> c;

5 2.7 Z

4.8 2 P✓ 6 A 8.38 2 6

Question 4

Given an amount of cents, which line computes the number of quarters in this amount?

Question 5

Which data type typically is allocated one byte of storage?

int
double
string

✓ char

What happens if the user enters 3.14 when the code executes?

```
int num = 0;
cout << "Enter a number: ";
cin >> num;

Variable num retains its initial 0 value

✓ Variable num now stores value 3

Variable num now stores value 3.14

A runtime error occurs due to the invalid entry.
```

Question 7

What is the output of the code?

```
double d = 22.5;
int k = static_cast<int>(d);
int rem = k % 4;
cout << rem;

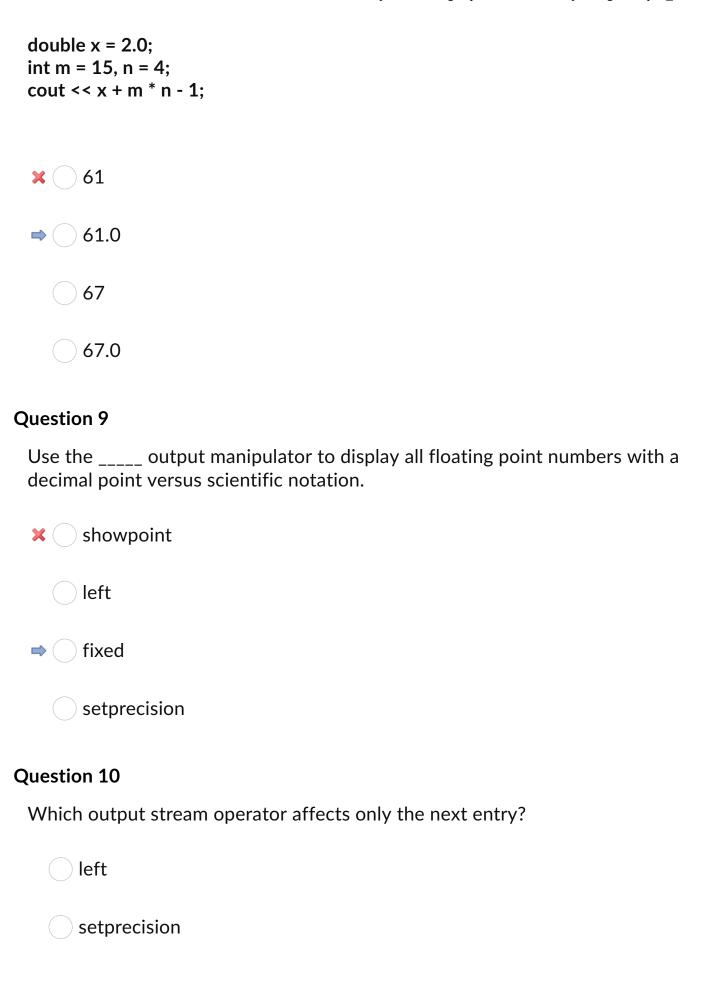
3

2
0</pre>
```

Question 8

5

What is the output of the code? A decimal point indicates a double result while no decimal represents an integer result in the choices.



~ (setw

All choices affect only the next entry

Question 11

What is the output of the code? Underscore (_) represents a blank.

```
cout << left << setw(4) << 25 << endl;
cout << setw(4) << 35 << endl;
cout << right << setw(4) << 45 << endl;
```

- _ _ 4 5
- - __25 __35 _ _ 4 5
 - 25__

 - 45__

Question 12

Code asks the user for a full name which may or may not include blanks. Which input technique should be used?

string name;

- ✓ getline (cin, name);
 - cin.get (name);
 - cin >> name;

•				
cın	>>	name	>>	name;

What is the output of the code?

```
int n = 40;
if (n < 20) cout << "Moe" << endl;
else if (n != 30) cout << "Larry" << endl;
else cout << "Curly" << endl;
```

- Curly
- Moe
- ✓ Larry
 - Curly

Question 14

What is the output of the code? if (20 < 10) cout << "A" << endl; if (5 >= 5) cout << "B" << endl;

() A

✓() E

 $\bigcirc \mathsf{A}_{\mathsf{B}}$

There is no output

Question 15

What is displayed by the code? int n = 6;

```
if (n < 4)
        cout << "A" << endl;
        else if (n < 8)
        cout << "B" << endl;
        else
        cout << "C" << endl;
        A

✓ B

C
```

The data validation loop below ensures that the user enters character 'Y' or 'N'. It should loop until one of these two characters is entered. What is the correct loop test?

After the code completes, variable **k** stores ____ and variable **d** stores ____.

```
int k = 4;
k++;
double d = k / 2;
```

- 4, 2.0
- **✓**() 5, 2.0
 - 4, 2.5
 - 5, 2.5

Question 18

When used as a prefix operator (ex. ++value), the increment operator returns the original value prior to the addition of 1.

True

✓ False

Question 19

The user should enter one of two strings: "X" or "Z". Which loop test should be used make the code repeat until a valid entry?

```
char choice;
do
{    cout << "Enter X or Y: ";
    cin >> choice;
} while (____);

✓    choice != 'X' && choice != 'Y'

    choice != ('X' || 'Y')
```

choice ==	'X'	&&	choice	==	'Y
-----------	-----	----	--------	----	----

Which situation causes input failure?

- Code is reading an int into variable k and the user types: Q
 - Code is reading a double into variable **d** and the user types: 15
 - Code is reading an int into variable k and the user types: 3.14
- \times Code is reading a character into variable **c** and the user types: 5

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