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Grade 8.00 out of 8.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

Map, Filter, and Reduce are array methods that each return a new array.

Select one:

☐ True

☒ False ✓

Correct. Map and Filter both return new arrays, but Reduce returns a single value.

The correct answer is 'False'.

Question 2

Correct

Mark 1.00 out of 1.00

Which of the following is a correct way to create an object?

Select one:

- ☐ a. `const fruit1 = { type = apple; color = red }`
- ☐ b. `const fruit1 = { type: "apple"; color: "red" };`
- ☐ c. `const fruit1 = { type = "apple", color = "red" };`
- ☐ d. `const fruit1 = ["type": "apple", "color": "red"];`
- ☒ e. `const fruit1 = { type: "apple", color: "red" };`

✓ Correct!

Your answer is correct.

The correct answer is: `const fruit1 = { type: "apple", color: "red" };`

Question 3

Correct

Mark 3.00 out of 3.00

Match the following JavaScript keywords with their purpose..

super	method used inside a child class's constructor to initialize properties inherited from the parent class	✓
new	create an object from a class	✓
property	a variable that belongs to an object	✓
method	a function that belongs to an object	✓
extends	create a child class from a parent class	✓
constructor	method where default properties are initialized inside a class	✓

Your answer is correct.

The correct answer is: super → method used inside a child class's constructor to initialize properties inherited from the parent class, new → create an object from a class, property → a variable that belongs to an object, method → a function that belongs to an object, extends → create a child class from a parent class, constructor → method where default properties are initialized inside a class

Question 4

Correct

Mark 1.00 out of 1.00

If the following object is created:

```
const horse = {  
  trot() {  
    console.log("The horse begins to trot.");  
    return this;  
  },  
  gallop() {  
    console.log("The horse begins to gallop.")  
  }  
}
```

Will the following code work without any errors? Answer True for yes and False for no.

```
horse.gallop().trot();
```

Select one:

☐ True

☒ False ✓

Correct. The gallop() method does not return a value and cannot be chained to.

The correct answer is 'False'.

Question 5

Correct

Mark 1.00 out of 1.00

Given the following object:

```
const instrument = {  
  type: "string",  
  name: "ukulele"  
};
```

Which of the following is a valid way to access the value of the name property?

Select one:

- ☐ a. instrument[name]
- ☐ b. instrument(name)
- ☒ c. instrument.name
- ☐ d. instrument.name()

✓ Correct. This is the dot notation syntax most widely used to access object properties.

Your answer is correct.

The correct answer is: instrument.name

Question 6

Correct

Mark 1.00 out of 1.00

Given the following array of objects:

```
const myPets = [  {
  id: 0,
  type: "iguana",
  name: "Iggy"
},
  {
    id: 1,
    type: "cricket",
    name: "Jiminy"
  },
  {
    id: 2,
    type: "rabbit",
    name: "Hazel"
  }
];
```

Choose the correct method below to extract the object with the name property matching "Hazel". The return value should be the single object only.

Select one:

- ☐ a. `myPets.map(pet ⇒ pet.id === 2)[0];`
- ☐ b. `myPets.filter(pet ⇒ pet.id === 2);`
- ☒ c. `myPets.filter(pet ⇒ pet.id === 2)[0];`



Correct! The filter method will return a new array with the matching id.

☐ d. `myPets.map(pet ⇒ pet.name === "Hazel");`

Your answer is correct.

The correct answer is: `myPets.filter(pet ⇒ pet.id === 2)[0];`



