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## ○ BJP4 Self-Check 8.6: whatIsAField

**Language/Type:** Java [classes](#) [fields](#) [parameters](#)**Author:** Marty Stepp (on 2016/09/08)

Which of the following are differences between a field and a parameter?

☒ Sound F/X

- a. ☒ A field is a variable that exists inside of an object, while a parameter is a variable inside a method whose value is passed in from outside.
- b. ☐ Fields can store many values while parameters can store only a single value.
- c. ☒ A field's scope is throughout the class, while a parameter's scope is limited to the method.
- d. ☐ Parameters must be primitive types of values, while fields can be objects.
- e. ☐ A field takes up more memory in the computer than a parameter does.
- f. ☒ Field syntax differs because they can be declared with the 'private' keyword.
- g. ☐ You can only have one field per class, while you can have as many parameters as you want.
- h. ☐ Fields are constant and can be set only once, while parameters change on each call.

(order shuffled)

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**question #1:** Which of the following are differences between a field and a parameter?

**your answer:**

A field is a variable that exists inside of an object, while a parameter is a variable inside a method.  
A field's scope is throughout the class, while a parameter's scope is limited to the method.  
Field syntax differs because they can be declared with the 'private' keyword.

**result:** pass

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