CHAPTER

# **Expressions solutions**

Here are the possible solutions of the implementation we asked for the Expression Chapter ??.

## 1.1 Evaluate message

```
EConstant >> evaluate
  ^ value

ENegation >> evaluate
  ^ expression evaluate negated

EAddition >> evaluate
  ^ left evaluate + right evaluate

EMultiplication >> evaluate
  ^ left evaluate + right evaluate
```

### 1.2 Negated message

```
EAddition >> negated
    ^ ENegation new expression: self

EMultiplication >> negated
    ^ ENegation new expression: self
```

#### 1.3 Better class instance creation interface

## 1.4 Printing addition and multiplication

```
EAddition >> printOn: aStream
aStream nextPutAll: '('.
left printOn: aStream.
aStream nextPutAll: ' + '.
right printOn: aStream.
aStream nextPutAll: ')'

Emultiplication >> printOn: aStream
aStream nextPutAll: '('.
left printOn: aStream.
aStream nextPutAll: ' * '.
right printOn: aStream.
aStream nextPutAll: ' * '.
```

## 1.5 Negated negation

```
ENegation >> negated
  ^ expression
```

#### 1.6 evaluateWith: