

adapted from MacLennan, Principles of Programming Languages, 3rd Edition, Chapter 4, Figure 4.1, p. 152

```
<number> ::= +<unsigned number>  
          | -<unsigned number>  
          | <unsigned number>
```

```
<unsigned number> ::= <decimal number>  
                   | <exponent part>  
                   | <decimal number> <exponent part>
```

```
<decimal number> ::= <unsigned integer>  
                   | <decimal fraction>  
                   | <unsigned integer> <decimal fraction>
```

```
<exponent part> ::= E<integer>
```

```
<unsigned integer> ::= <digit>  
                    | <unsigned integer> <digit>
```

```
<decimal fraction> ::= .<unsigned integer>
```

```
<integer> ::= +<unsigned integer>  
            | -<unsigned integer>  
            | <unsigned integer>
```

```
<digit> ::= 0 | 1 | 2 | 3 | 4 |  
           5 | 6 | 7 | 8 | 9
```