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**Procedure:** Validate your EAN barcode (Javascript)

**Source:** [**LINK**](http://www.logikdev.com/2010/05/13/validate-your-ean-barcode/)

**Permalink:** [**LINK**](http://heelpbook.altervista.org/2013/validate-your-ean-barcode-javascript/)

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# [**Validate your EAN barcode (Javascript)**](http://heelpbook.altervista.org/2013/validate-your-ean-barcode-javascript/)

Note that this code can validate **EAN-8** and **EAN-13** barcodes.

|  |
| --- |
| function checkEan(eanCode) {  // Check if only digits  var ValidChars = “0123456789″;  for (i = 0; i < eanCode.length; i++) {  digit = eanCode.charAt(i);  if (ValidChars.indexOf(digit) == -1) {  return false;  }  }  // Add five 0 if the code has only 8 digits  if (eanCode.length == 8 ) {  eanCode = “00000″ + eanCode;  }  // Check for 13 digits otherwise  else if (eanCode.length != 13) {  return false;  }  // Get the check number  originalCheck = eanCode.substring(eanCode.length – 1);  eanCode = eanCode.substring(0, eanCode.length – 1);  // Add even numbers together  even = Number(eanCode.charAt(1)) +  Number(eanCode.charAt(3)) +  Number(eanCode.charAt(5)) +  Number(eanCode.charAt(7)) +  Number(eanCode.charAt(9)) +  Number(eanCode.charAt(11));  // Multiply this result by 3  even \*= 3;  // Add odd numbers together  odd = Number(eanCode.charAt(0)) +  Number(eanCode.charAt(2)) +  Number(eanCode.charAt(4)) +  Number(eanCode.charAt(6)) +  Number(eanCode.charAt(8)) +  Number(eanCode.charAt(10));  // Add two totals together  total = even + odd;  // Calculate the checksum  // Divide total by 10 and store the remainder  checksum = total % 10;  // If result is not 0 then take away 10  if (checksum != 0) {  checksum = 10 – checksum;  }  // Return the result  if (checksum != originalCheck) {  return false;  }  return true;  } |