

Barcodes



What information does this barcode tell the shop?



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Information stored on a barcode



- Product identification
- Size/weight of product
- Where the product has come from
- Who manufactured the product



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What information is NOT stored on a barcode?



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Information not stored on a barcode



- Product name
- Price of the product

These are stored on the shop's database. Why?



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What equipment is used to read a barcode?



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Barcode scanner at the checkout



Hand held barcode reader

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The lengths and positions of the spaces and bars are analysed by a computer program and the data is extracted.



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How does a barcode reader work?

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What happens at the till if the barcode can't be read by the computer?



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If the barcode can't be read, an error message will be shown to the checkout operator.



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If there is an error, what will the checkout operator do next?



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They will type in the numbers shown below the bars.
But it is easy to make a mistake.



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To prevent such errors, the numbers have a build-in error detection method.



It is called a 'check digit'.

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The check digit is the final number.

It is used by the computer to check that all of the other numbers have been entered correctly.



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Using the check digit calculator site, work out the check digit from the barcodes and ISBN

[Check Digit Calculator](#)

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