## Year 11 Mathematics Learning Journey: Unit 10 - Fractions, Decimals \& Percentages

| Step 11: Reverse <br> percentages |
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| In a sale, normal prices are <br> reduced by $15 \%$. The sale <br> price of a CD player is <br> $£ 102$. Work out the normal <br> price of the CD player. |


| Step 10: Problems with |
| :---: |
| percentages |$|$| The population of Riddington has |
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| increased from 80 to 120 people. |
| The population of Greenwick has |
| decreased from 200 to 120 people. |
| Show that Riddington has had the |
| greater percentage change. |

Step 9: Percentages greater than 100\%

Lucy has 68 books. This is $70 \%$ more than the number of books she had last year. How many books did Lucy have last year?

Step 8: Interpret percentages and percentage change multiplicatively

In a sale, normal prices are reduced by $17 \%$. The normal sale of a washing machine is reduced by $£ 42.50$. Work out the sale price of the washing machine.


