



## Use formal methods to find the change

Hard

I spend 19p. I pay with a 50p coin. How much change do I receive?

I spend 19p. I pay with a 20p coin. How much change do I receive?

I spend 45p. I pay with a 50p coin. How much change do I receive?

I spend 14 p. I pay with a 20p coin. How much change do I receive?

I spend 36 p. I pay with a 50p coin. How much change do I receive?

I spend 23 p. I pay with a 50p coin. How much change do I receive?

I spend 17 p. I pay with a 20p coin. How much change do I receive?

I spend 11p. I pay with a 50p coin. How much change do I receive?

Harder

I spend £0.67. I pay with a £1.00 coin. How much change do I receive?

I spend £0.42. I pay with a £1.00 coin. How much change do I receive?

I spend £0.81. I pay with a £1.00 coin. How much change do I receive?

I spend £0.96. I pay with a £1.00 coin. How much change do I receive?

I spend £0.54. I pay with a £1.00 coin. How much change do I receive?

I spend £0.38. I pay with a £1.00 coin. How much change do I receive?

I spend £0.77. I pay with a £1.00 coin. How much change do I receive?

I spend £0.97. I pay with a £1.00 coin. How much change do I receive?

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### Hardest

I spend £2.65. I pay with a £5.00 note, how much change will I receive?

I spend £2.65. I pay with a £10.00 note, how much change will I receive?

I spend £8.22. I pay with a £10.00 note, how much change will I receive?

I spend £4.96. I pay with a £5.00 note, how much change will I receive?

I spend £3.43. I pay with a £10.00 note, how much change will I receive?

I spend £1.35. I pay with a £2.00 coin, how much change will I receive?

I spend £0.76. I pay with a £2.00 coin, how much change will I receive?

I spend £0.95. I pay with a £5.00 note, how much change will I receive?

### Herculean

I buy a sandwich for £2.23 and grapes for £1.96. I pay with a £5.00 note, how much change do I receive

I buy milk for £0.83 and soup for £2.97. I pay with a £10.00 note, how much change do I receive

I buy pencils for £3.23 and a rubber for £0.43. I pay with a £10.00 note, how much change do I receive

I buy flowers for £4.23 and a watering can for £3.96. I pay with a £5.00 note, how much change do I receive

I buy cauliflower for £1.03 and peas for £1.37. I pay with a £5.00 note, how much change do I receive

I buy a highlighter for £2.43 and a pencil for £0.43. I pay with a £5.00 note, how much change do I receive