

### Lesson 5 – Measurement: Money – Add Money

**NC Objective:**  
Add and subtract amounts of money to give change, using both £ and p in practical contexts.

**Resources needed:**  
Differentiated Sheets  
Teaching Slides

**Vocabulary:**  
Addition, represent, pounds, pence, exchange, calculation

Children add two amounts of money using pictorial representations to support them. They are encouraged to add the pounds first and then add the pence. Children then exchange the pence for pounds to complete their calculations.

**Key Questions:**

- Can you group any of the coins to make a pound?
- Can you use estimation to support your calculation?
- Why is adding 99p the same as adding £1 and taking away 1p?

★ Working Towards

Find the total amount. £ \_\_\_\_ and \_\_\_\_ p. There is £ \_\_\_\_ and \_\_\_\_ p. Altogether there is £ \_\_\_\_ and \_\_\_\_ p. Use the method to calculate: £2 and 10p and £1 and 40p. What calculation does the bar model show? £2 and 20p. Draw a bar model to show: £2 and 30p and £3 and 50p. Find the total cost. Choose your method of working out. A book cost £1 and 20p. A pencil cost £1 and 50p. A ball cost £1 and 10p. How much do they cost altogether? A train cost £1 and 20p. A book cost £1 and 50p. A ball cost £1 and 10p. How much do they cost altogether?

★★ Working Within

Find the total amount. £ \_\_\_\_ and \_\_\_\_ p. There is £ \_\_\_\_ and \_\_\_\_ p. Altogether there is £ \_\_\_\_ and \_\_\_\_ p. Use the method to calculate: £2 and 40p and £1 and 20p. What calculation does the bar model show? £2 and 80p. Draw a bar model to show: £2 and 20p and £3 and 50p. Find the total cost. Choose your method of working out. A train cost £1 and 20p. A book cost £1 and 50p. A ball cost £1 and 10p. How much do they cost altogether? A train cost £1 and 20p. A book cost £1 and 50p. A ball cost £1 and 10p. How much do they cost altogether?

★★★ Greater Depth

Find the total amount. £ \_\_\_\_ and \_\_\_\_ p. There is £ \_\_\_\_ and \_\_\_\_ p. Altogether there is £ \_\_\_\_ and \_\_\_\_ p. Use the method to calculate: £2 and 40p and £1 and 20p and 10p and 50p. What calculation does the bar model show? £2 and 80p. Draw a bar model to show: £2 and 20p and £3 and 50p and 10p and 50p. Find the total cost. Choose your method of working out. A train cost £1 and 20p. A book cost £1 and 50p. A ball cost £1 and 10p. A game cost £1 and 20p. How much do they cost altogether? A train cost £1 and 20p. A book cost £1 and 50p. A ball cost £1 and 10p. A game cost £1 and 20p. How much do they cost altogether?

Children cut out the problems and show any working out or pictorial images they have to draw in their books.

On this sheet, they work with easier amounts in multiples of 10 to help them add the amounts

Children cut out the problems and show any working out or pictorial images they have to draw in their books.

On this sheet, they work with a range of amounts and exchange the pence for pounds to complete their calculations.

On this sheet, children add 3 sets of amounts rather than the 2 amounts on the other sheets.

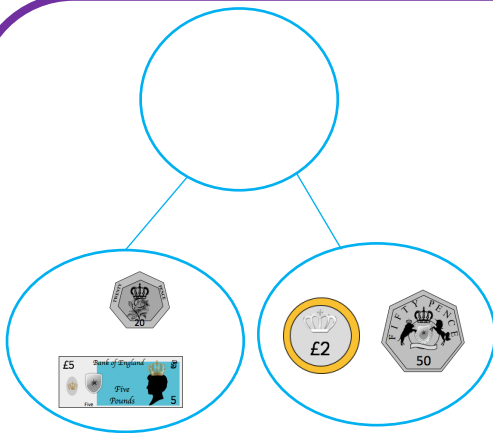
## Reasoning & Problem Solving

Rosie bought these ice-creams. Ice-creams cost 20p each. How much did Rosie spend? Eoin bought twice as many ice-creams as Rosie. How many ice-creams did Eoin buy? How much money did Eoin spend on ice-creams? Zach has £10. Has he got enough money to buy a t-shirt and a cupcake? What combinations of items can he buy with £10?

Rosie bought these ice-creams. Ice-creams cost 25p each. How much did Rosie spend? Eoin bought 3 times as many ice-creams as Rosie. How many ice-creams did Eoin buy? How much money did Eoin spend on ice-creams? How much more money did Eoin spend than Rosie? What combinations of items can he buy with £10? Find at least five.

Rosie bought these ice-creams. Ice-creams cost 30p each. How much did Rosie spend? Eoin bought 3 times as many ice-creams as Rosie. How many ice-creams did Eoin buy? How much money did Eoin spend on ice-creams? How much more money did Eoin spend than Rosie? How much more money did they spend altogether? Zach has half of twenty pounds. Has he got enough money to buy a t-shirt and two cupcakes? What combinations of items could he buy with £20? Find at least five.

Find the total amount.



£\_\_\_\_\_ and \_\_\_\_\_ p + £\_\_\_\_\_ and \_\_\_\_\_ p

There is £\_\_\_\_\_ and \_\_\_\_\_ p.

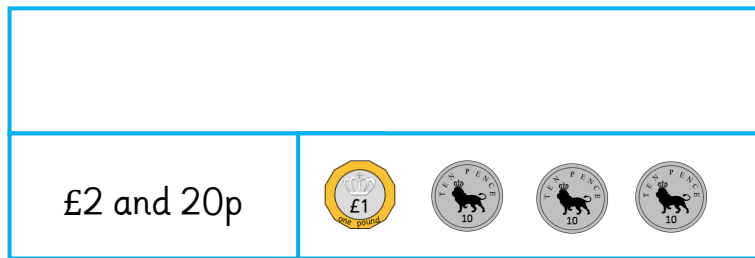
Altogether there is £\_\_\_\_\_ and \_\_\_\_\_ p.

Use this method to calculate:

£2 and 10p and £1 and 40p

£1 and 30p and £5 and 20p

What calculation does the bar model show?



Draw a bar model to show:

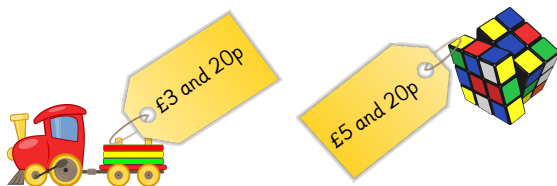
£2 and 30p and £3 and 50p

Find the total costs. Choose your method of working out.

A train cost £3 and 20p.

A cube cost £5 and 20p.

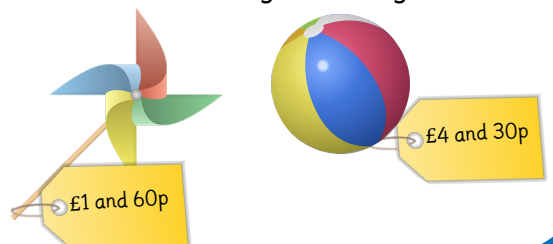
How much do they cost altogether?



A windmill cost £1 and 60p.

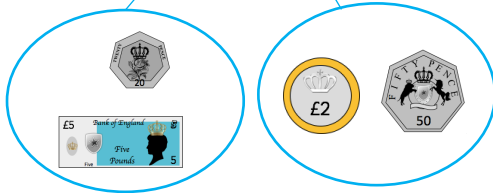
A ball cost £4 and 30p.

How much do they cost altogether?



Find the total amount.

£7 and 70p

£ 5 and 20 p + £ 2 and 50 pThere is £ 7 and 70 p.Altogether there is £ 7 and 70 p.

Use this method to calculate: = £6 and 50p

£2 and 10p and £1 and 40p = £3 and 50p

£1 and 30p and £5 and 20p

What calculation does the bar model show?

£2 and 50p  
+  
£1 and 30p



Draw a bar model to show:

£2 and 30p and £3 and 50p = £5 and 80p

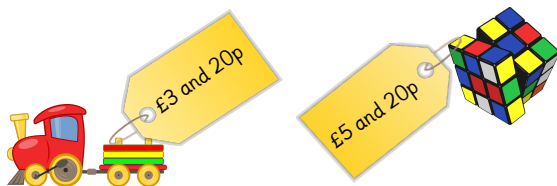
Find the total costs. Choose your method of working out.

A train cost £3 and 20p.

A cube cost £5 and 20p.

= £8 and 40p

How much do they cost altogether?

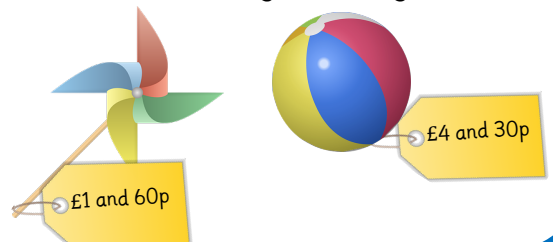


A windmill cost £1 and 60p.

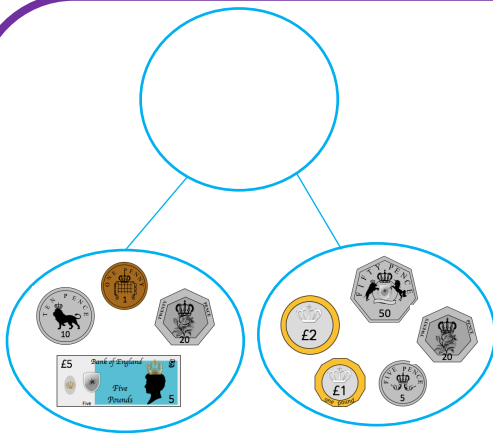
A ball cost £4 and 30p.

= £5 and 90p

How much do they cost altogether?



Find the total amount.



£\_\_\_\_\_ and \_\_\_\_\_ p + £\_\_\_\_\_ and \_\_\_\_\_ p

There is £\_\_\_\_\_ and \_\_\_\_\_ p.

106p = £\_\_\_\_\_ and \_\_\_\_\_ p

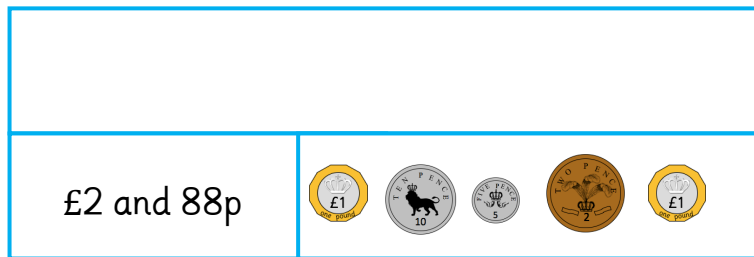
Altogether there is £\_\_\_\_\_ and \_\_\_\_\_ p.

Use this method to calculate:

£2 and 45p and £7 and 85p

£1 and 99p and £5 and 84p

What calculation does the bar model show?



Draw a bar model to show:

£2 and 35p and £3 and 55p

Find the total costs. Choose your method of working out.

A train cost £3 and 65p.

A cube cost £5 and 99p.

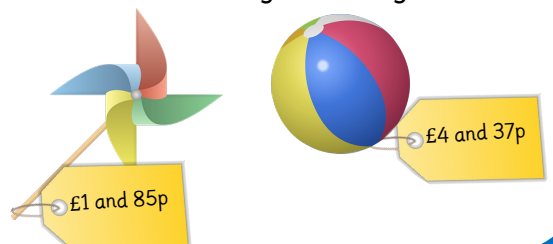
How much do they cost altogether?



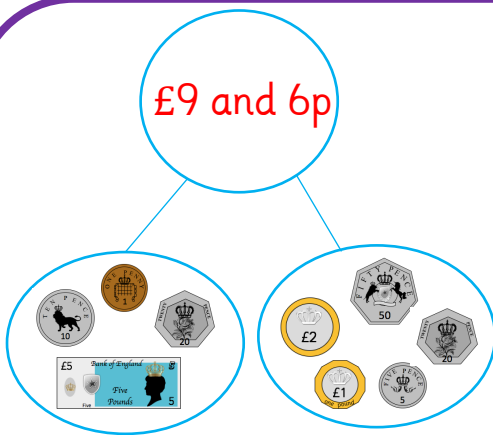
A windmill cost £1 and 85p.

A ball cost £4 and 37p.

How much do they cost altogether?



Find the total amount.



£ 5 and 31 p + £ 3 and 75 p

There is £ 8 and 106 p.

106p = £ 1 and 6 p

Altogether there is £ 9 and 6 p.

Use this method to calculate: **= £7 and 83p**

£2 and 45p and £7 and 85p **= £10 and 30p**

£1 and 99p and £5 and 84p

What calculation does the bar model show?

£2 and 88p  
+  
£2 and 17p



Draw a bar model to show:

£2 and 35p and £3 and 55p **= £5 and 90p**

Find the total costs. Choose your method of working out.

A train cost £3 and 65p.

A cube cost £5 and 99p.

**= £9 and 64p**

How much do they cost altogether?

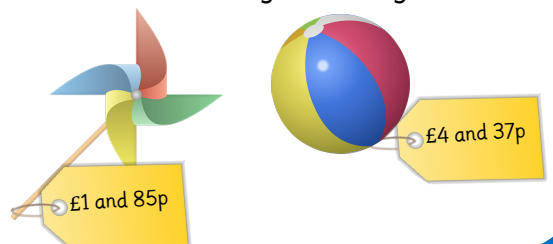


A windmill cost £1 and 85p.

A ball cost £4 and 37p.

**= £6 and 22p**

How much do they cost altogether?



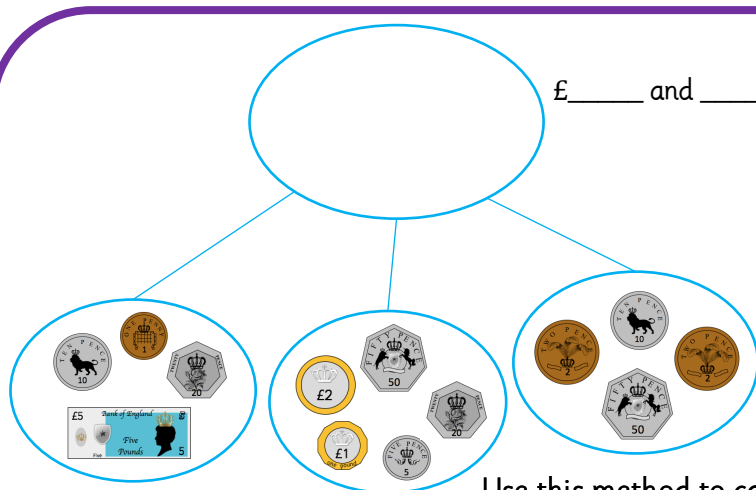
Find the total amount.

£ \_\_\_\_ and \_\_\_\_ p + £ \_\_\_\_ and \_\_\_\_ p + £ \_\_\_\_ and \_\_\_\_ p

There is £ \_\_\_\_ and 170p.

170p = £ \_\_\_\_ and \_\_\_\_ p

Altogether there is £ \_\_\_\_ and \_\_\_\_ p.

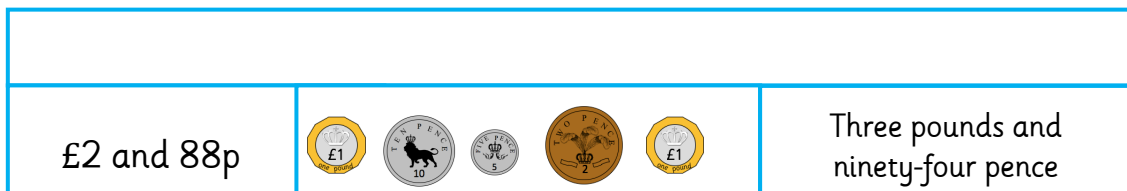


Use this method to calculate:

£2 and 45p add £7 and 85p add £10 and 44p

£12 and 33p add £4 and 29p add £13 and 23p

What calculation and total does the bar model show?



Draw a similar bar model to show:

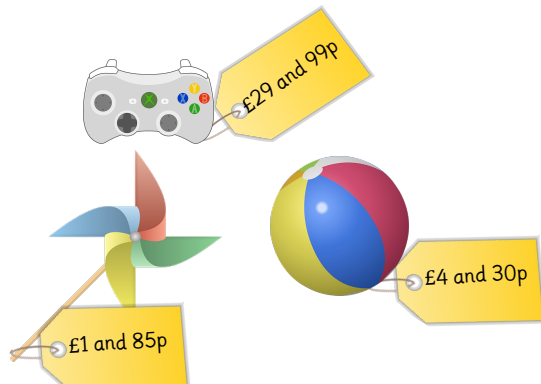
£4 and 63p and £2 and 35p and £3 and 55p

Find the total costs. Choose your method of working out.

What is the total cost of the items below?



What is the total cost of the items below?



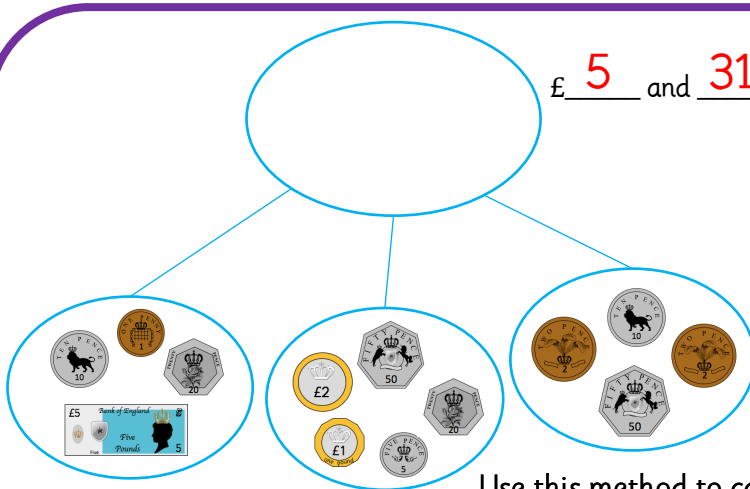
Find the total amount.

£ 5 and 31 p + £ 3 and 75 p + £ 0 and 64 p

There is £ 8 and 170p.

170p = £ 1 and 70 p

Altogether there is £ 9 and 70 p.



Use this method to calculate:

= £20 and 74p

£2 and 45p add £7 and 85p add £10 and 44p

= £29 and 85p

£12 and 33p add £4 and 29p add £13 and 23p

What calculation and total does the bar model show?



Draw a similar bar model to show:

£4 and 63p and £2 and 35p and £3 and 55p

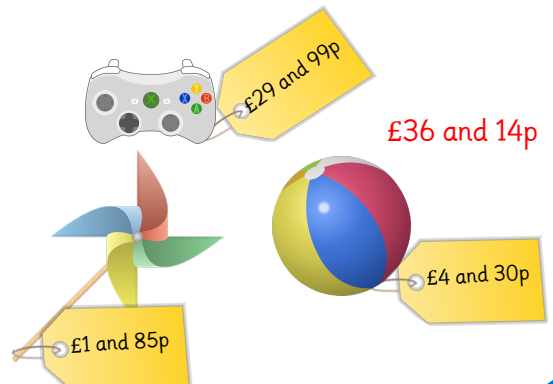
**£10 and 53p**

Find the total costs. Choose your method of working out.

What is the total cost of the items below?



What is the total cost of the items below?



Rosie bought these ice-creams.



Ice-creams cost 20p each.  
How much did Rosie spend?

Esin bought twice as many ice-creams as Rosie.  
How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?



Zach has £10.

Has he got enough money to buy a t-shirt and a cupcake?



£8 and 60 p



90 p

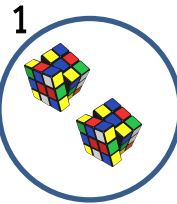


£5 and 30 p



50 p

What combinations of items can he buy with £10?



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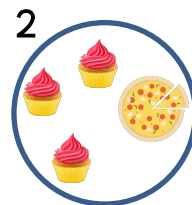
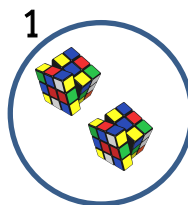


£5 and 30 p



50 p

What combinations of items can he buy with £10?



Rosie bought these ice-creams.



Ice-creams cost 20p each.  
How much did Rosie spend?

Esin bought twice as many ice-creams as Rosie.  
How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

Rosie spent 60p.

Esin bought 6 ice-creams.  
She spent 120p or £1 and 20p.



Zach has £10.

Has he got enough money to buy  
a t-shirt and a cupcake?



£8 and 60 p



90 p



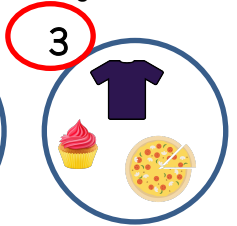
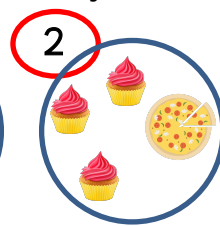
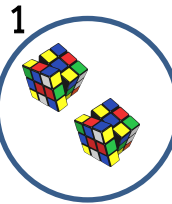
£5 and 30 p



50 p

$£8 \text{ and } 60\text{p} + 50\text{p} = £9 \text{ and } 10\text{p}$   
He does have enough money.

Which combinations of items can he buy with £10?



Rosie bought these ice-creams.



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£8 and 60 p



90 p



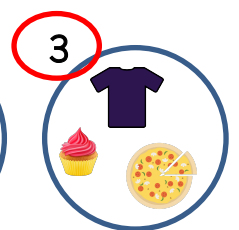
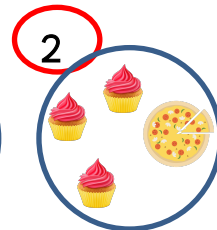
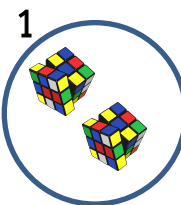
£5 and 30 p



50 p

$£8 \text{ and } 60\text{p} + 50\text{p} = £9 \text{ and } 10\text{p}$   
He does have enough money.

What combinations of items can he buy with £10?



Rosie bought these ice-creams.



Ice-creams cost 25p each.  
How much did Rosie spend?

Esin bought 3 times as many ice-creams as Rosie.

How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

How much more money did Esin spend than Rosie?



Zach has £10.

Has he got enough money to buy a t-shirt and two cupcakes?



£8 and 65 p



97 p



£5 and 35 p



75 p

What combinations of items can he buy with £10?  
Find at least five.

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How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

How much more money did Esin spend than Rosie?

Rosie spent 100p or £1. Esin bought 12 ice-creams.

She spent 300p or £3.

Esin spent 200p or £2 more than Rosie.



Zach has £10.

Has he got enough money to buy a t-shirt and two cupcakes?



£8 and 65 p



97 p



£5 and 35 p



75 p

$£8 \text{ and } 65\text{p} + 75\text{p} + 75\text{p} = £10 \text{ and } 15\text{p}$

He does not have enough money.

What combinations of items can he buy with £10?

Find at least five.

E.g. Zach can buy:

1 t-shirt and 1 cupcake; 1 cupcake and 1 pizza,

1 cube and 6 cupcakes (or less than 6);

1 cube and 4 pizzas (or less than 4);

1 cube, 1 pizza and 1 cupcake, etc.

Rosie bought these ice-creams.



Ice-creams cost 25p each.  
How much did Rosie spend?

Esin bought 3 times as many ice-creams as Rosie.

How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

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97 p



£5 and 35 p



75 p

$£8 \text{ and } 65\text{p} + 75\text{p} + 75\text{p} = £10 \text{ and } 15\text{p}$

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1 t-shirt and 1 cupcake; 1 cupcake and 1 pizza,

1 cube and 6 cupcakes (or less than 6);

1 cube and 4 pizzas (or less than 4);

1 cube, 1 pizza and 1 cupcake, etc.

Rosie bought these ice-creams.



Ice-creams cost 36p each.  
How much did Rosie spend?

Esin bought 3 times as many ice-creams as Rosie.

How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

How much more money did Esin spend than Rosie?

How much money did they spend altogether?



Zach has half of twenty pounds.

Has he got enough money to buy a t-shirt and two cupcakes?



£8 and 65 p



97 p



£5 and 35 p



45 p



3 and 99 p



2 and 99 p



What combinations of items could he buy with £20?

Find at least five.

Rosie bought these ice-creams.



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How much did Rosie spend?

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How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

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Esin bought 3 times as many ice-creams as Rosie.

How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

How much more money did Esin spend than Rosie?

How much money did they spend altogether?

Rosie spent 144p or £1 and 44p.

Esin bought 12 ice-creams.

She spent 432p or £4 and 32p.

Esin spent 288p or £2 and 88p more than Rosie. They spent 576p or £5 and 76p altogether.



Zach has half of twenty pounds.

Has he got enough money to buy a t-shirt and two cupcakes?



£8 and 65 p



97 p



£5 and 35 p



45 p



3 and 99 p



2 and 99 p

£8 and 65p + 45p + 45p = £9 and 55p

He does have enough money.

What combinations of items could he buy with £20?

Find at least five.

E.g. Zach can buy:

2 t-shirts and 5 cupcakes; 4 joysticks and 1 ball,

3 cubes and 4 pizzas (or less than 4);

1 cube, 1 t-shirt and 1 joystick;

6 balls and 4 cupcakes, etc.



Rosie bought these ice-creams.



Ice-creams cost 36p each.

How much did Rosie spend?

Esin bought 3 times as many ice-creams as Rosie.

How many ice-creams did Esin buy?

How much money did Esin spend on ice-creams?

How much more money did Esin spend than Rosie?

How much money did they spend altogether?

Rosie spent 144p or £1 and 44p.

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£8 and 65 p



97 p



£5 and 35 p



45 p



3 and 99 p



2 and 99 p

£8 and 65p + 45p + 45p = £9 and 55p

He does have enough money.

What combinations of items could he buy with £20?

Find at least five.

E.g. Zach can buy:

2 t-shirts and 5 cupcakes; 4 joysticks and 1 ball,

3 cubes and 4 pizzas (or less than 4);

1 cube, 1 t-shirt and 1 joystick;

6 balls and 4 cupcakes, etc.

