Problems of the Day

Day 51

Use bar models to solve all of today's problems



1

Jack has 3 times as many sweets as Dionne.

Jack has 46 more sweets than Dionne.

How many sweets does Dionne have?

2

Kyra has £60 more than Donna.

Donna spends $\frac{1}{3}$ of her money.

Kyra now has twice as much money as Donna.

How much did Donna spend?

3

Kelly and Ned have £400 in total.

Kelly spends 40% of her money.

Ned spends £40 of his money.

They now have the same amount of money.

How much money did Ned have at the start?

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THE REALLY HORRIBLE CHALLENGE QUESTION

Problems of the Day

Day 51

THE REALLY HORRIBLE CHALLENGE QUESTION



Use a bar

4 Abi, Beth, Cal and Danny shared 120 buttons.

- Abi received 50% of the total number of buttons the others received.
- Beth received two-thirds of the total amount of buttons Cal and Danny received.
- The ratio of Cal's to Danny's buttons is 3 : 1

How many buttons did they each receive?