

Problem Solving



Rank My Maths

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Question 1

Alex gives Bob half of his football cards. Bob gives Charlie one third of the cards he receives from Alex. Charlie then keeps the 12 cards he is given.

How many cards did Alex have at the start?

Question 2

Alfie, Burt, Chris and Dom share a prize.

Alfie gets one-sixth of the prize.

Burt gets 25% of the prize.

The rest is shared between Chris and Dom in the ratio 2 : 3.

If Dom's share is £63, how much does Alfie get?

Question 3

Daniel has a pocket full of coins.

One half of the coins are £1 coins

One third of the coins are 20p coins.

The rest of the coins are 50p coins with a total of £1.50

What is the total value of Daniel's coins?

Question 4

Daniel is given his wages.

He spends 40% of his wages.

He gives $\frac{1}{4}$ of his wages to his mum.

He saves the rest of his wages.

If Daniel gave £30 to his mum, how much money did he save?

Question 5

Sam withdraws some money from his bank account. He spends $\frac{1}{5}$ of this money on a present for his sister. He gives 25% of the money to his mum.

If Sam has £44 left, how much did he spend on a present for his sister?

Answers

1. 72 cards
2. £30
3. £11.70
4. £42
5. £16

We hope you enjoyed doing these questions.



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