

Numeracy Puzzle of the Week



Adam has three coins in his pocket and they are all different from one another.

Ben has three coins in his pocket and they are all the same as each other.

Adam has half as much money as Ben.

What are the coins that they each have?

Numeracy Puzzle of the Week



It is easiest to start with Ben since he has the same coins so there are less options to try.

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Ben can't have three £2 coins because this totals £6. Adam's coins would then need to total £3 and this isn't possible with three different coins.

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Ben can't have three £1 coins because this totals £3. Adam's coins would then need to total £1.50 and this also isn't possible with three different coins.

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If Ben has three 50p coins then this totals £1.50.

Adam's coins would then need to total 75p and this is possible with three different coins, using 50p, 20p and 5p.

Adam has 50p, 20p and 5p

Ben has three 50p coins