

Number Bonds and Problem Solving

You have ten 1p pieces. How many different ways can you add them together to make 10p? Write the number sentences.

For example: $9p + 1p = 10p$



Number Bonds and Problem Solving

You have ten 10p pieces. How many different ways can you add them together to make £1?



Number Bonds and Problem Solving

You have ten 5p pieces. How many different ways can you add them together to make 50p?



Number Bonds and Problem Solving

You have ten 2p pieces. How many different ways can you add them together to make 20p?



Number Bonds and Problem Solving

Answers

You have ten 1p pieces. How many different ways can you add them together to make 10p? Write the number sentences.

For example: $9p + 1p = 10p$

Coins in two groups

$$10p + 0p \text{ or } 0p + 10p$$

$$9p + 1p \text{ or } 1p + 9p$$

$$8p + 2p \text{ or } 2p + 8p$$

$$7p + 3p \text{ or } 3p + 7p$$

$$6p + 4p \text{ or } 4p + 6p$$

$$5p + 5p$$

Any combination of 3 or more numbers that total 10, e.g.

$$8p + 1p + 1p$$

$$7p + 2p + 1p$$

$$5p + 2p + 2p + 1p$$

You have ten 10p pieces. How many different ways can you add them together to make £1?

Coins in two groups

$$£1p + 0p \text{ or } 0p + £1$$

$$90p + 10p \text{ or } 10p + 90p$$

$$80p + 20p \text{ or } 20p + 80p$$

$$70p + 30p \text{ or } 30p + 70p$$

$$60p + 40p \text{ or } 40p + 60p$$

$$50p + 50p$$

Any combination of 3 or more numbers that total 100, e.g.

$$80p + 10p + 10p$$

$$70p + 20p + 10p$$

$$50p + 20p + 20p + 10p$$

Number Bonds and Problem Solving

Answers

You have ten 5p pieces. How many different ways can you add them together to make 50p?

Coins in two groups

$$50p + 0p \text{ or } 0p + 50p$$

$$45p + 5p \text{ or } 5p + 45p$$

$$40p + 10p \text{ or } 10p + 40p$$

$$35p + 15p \text{ or } 15p + 35p$$

$$30p + 20p \text{ or } 20p + 30p$$

$$25p + 25p$$

Any combination of 3 or more numbers that total 50, e.g.

$$40p + 5p + 5p$$

$$35p + 10p + 5p$$

$$25p + 10p + 10p + 5p$$

You have ten 2p pieces. How many different ways can you add them together to make 20p?

Coins in two groups

$$20p + 0p \text{ or } 0p + 20p$$

$$18p + 2p \text{ or } 2p + 18p$$

$$16p + 4p \text{ or } 4p + 16p$$

$$14p + 6p \text{ or } 6p + 14p$$

$$12p + 8p \text{ or } 8p + 12p$$

$$10p + 10p$$

Any combination of 2 or more numbers that total 20, e.g.

$$16p + 2p + 2p$$

$$14p + 4p + 2p$$

$$10p + 4p + 4p + 2p$$