

## MODELLED EXAMPLE


potato

sweetcorn
carrots

onion

chillies

## I go shopping

 There is $£ 2$ in my purse.1) How many could I buy of the same item? Would I have any change for some items?
2) How many different combinations of items could I buy with this money? How much change would I get back?
3) What is the least amount of items that I could buy?
4) What is the most amount of items that I could buy?

## 3 BEFORE ME

Use the coins /mats.
Use column + to total.
Use column - to find change.

|  |  | $0$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 p | 2 p | $5 p$ | 10p | 20p | 50p | 100p | 200p |
| £0.01 | £0.02 | $£ 0.05$ | £0.10 | £0.20 | $£ 0.50$ | £1.00 | £2.00 |

## PROBLEM SOLVING (1)


broccoli carrots

1p
potato

onion

chillies

1) How many could I buy of the same item? Would I have any change for some items?
2) How many different combinations of items could I buy with this money? How much change would I get back?
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## 3 BEFORE ME

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| £0.01 | £0.02 | $£ 0.05$ | £0.10 | £0.20 | $£ 0.50$ | £1.00 | £2.00 |

## PROBLEM SOLVING (2)



1) How many could I buy of the same item? Would I have any change for some items?
2) How many different combinations of items could I buy with this money? How much change would I get back?
3) What is the least amount of items that I could buy?
4) What is the most amount of items that I could buy?

## 3 BEFORE ME

Use the coins /mats.
Use column + to total.
Use column - to find change.

|  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 p | 2 p | $5 p$ | 10p | 20p | 50p | 100p | 200p |
| £0.01 | £0.02 | $£ 0.05$ | £0.10 | £0.20 | $£ 0.50$ | £1.00 | $£ 2.00$ |

## PROBLEM SOLVING (3)



broccoli

sweetcorn

$$
£ 0.10
$$

carrots

carrots

1) How many could I buy of the same item? Would I have any change for some items?
2) How many different combinations of items could I buy with this money? How much change would I get back?
3) What is the least amount of items that I could buy?
4) What is the most amount of items that I could buy?

## 3 BEFORE ME

Use the coins /mats.
Use column + to total.
Use column - to find change.

|  |  | $1$ |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1p | 2p | $5 p$ | 10p | 20p | 50p | 100p | 200p |
| £0.01 | $£ 0.02$ | £0.05 | £0.10 | £0.20 | $£ 0.50$ | £1.00 | £2.00 |

## DIVE DEEPER

Some talking problems today! Talk about this as a family.
a) Is it better to spend your money or is it better to save your money? Can you give reasons for both?

## Reasons for spending money $\quad$ Reasons for saving money

b) If you had an unlimited (never ending) amount of money, what would you do with it?

