Carrot Club
Reasoning Cards

1. These potatoes make a number sequence which goes up in ones.

7 8 9 10 11
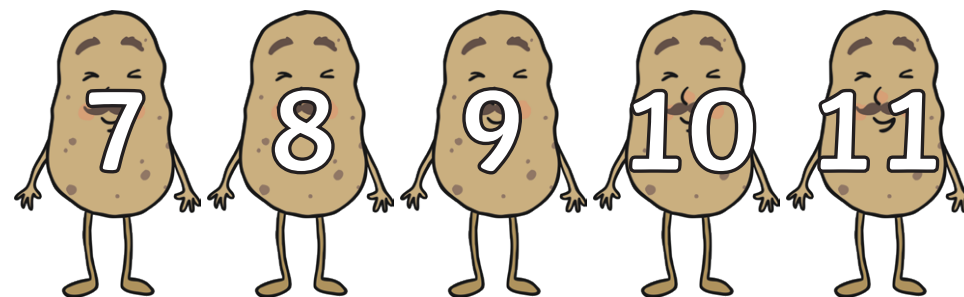
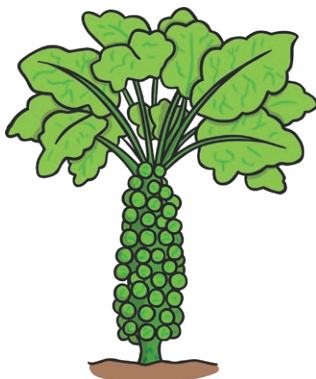Clive Carrot says that the next potatoes will be 12 and 13. Is he correct? How do you know?

2. There are 6 sprouts in one bag and 3 in another.

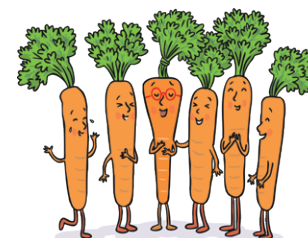There are less than 10 sprouts altogether.

Is this correct? How do you know?

3. The carrots wake up at 10 o'clock.

They spend an hour at the club before they go back to sleep.

Clive says they went back to sleep at 12 o'clock.
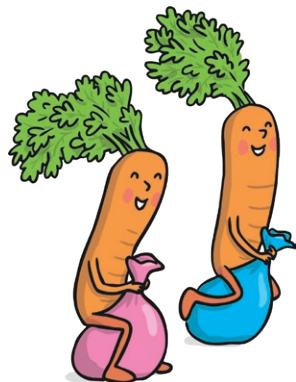
Is he correct? How do you know?

4. 9 carrots were on the space hoppers.
4 carrots fell off the space hoppers.

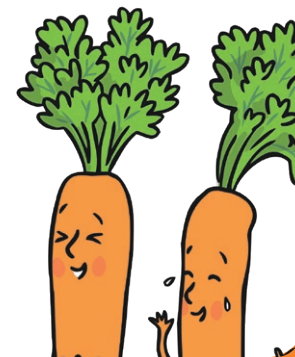Which calculation shows this?

a) 5 - 4 = 9

b) 9 - 4 = 5

c) 4 - 5 = 9

5. Clive, Carl and Claire measure how tall they are.

Clive is the tallest carrot. He is 25cm tall.

Carl is the shortest carrot. He is 20cm tall.

How tall could Claire be?

How do you know?

6. There are 10 vegetables in a box.

Half of them are parsnips.

The rest are onions.

How many onions are in the box?

How do you know?

7. Polly Parsnip stays in Carrot Club for half an hour.

She gets to the club at half past 10, so she must leave the club at half past 11.
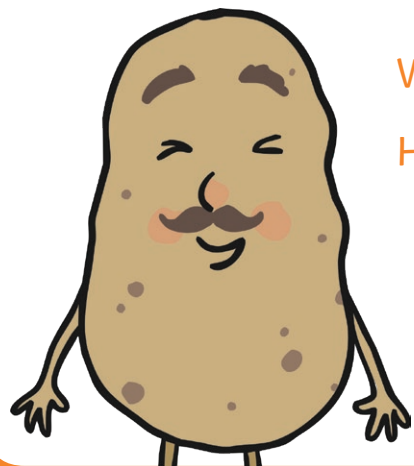
Is this correct?

How do you know?

8. Pedro Potato thinks of a number.

He says if you add 9 to it, the answer is 18.

What is Pedro's number?

How do you know?

9. It costs 10p to buy 1 beetroot.

It will cost less than 40p to by 3 beetroots.

Is this correct?

How do you know?

10. Polly scores 6 points in vegeteball.

Billy scores half as many points as Polly.

Clive scores 3 points.

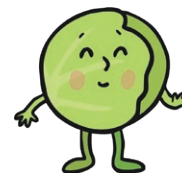Billy says he scored more points than Clive.

Is he correct?

Explain how you know.

11. The number of sprouts in a crate is less than 30 but more than 22.

There is an odd number of sprouts.

How many sprouts could be in the crate?

How do you know?

12. Barbara Broccoli finds these numbers.

9   **2**   **5**

She says that she can make 6 two-digit numbers, just using these 3 numbers.

Is she correct?

Answers

1. Yes, the next numbers will be 12 and 13 when counting in ones.

2. Yes, there are 9 sprouts altogether.

3. No, they went back to sleep at 11 o'clock.

4. b) 9 - 4 = 5

5. Claire could be 21cm, 22cm, 23cm or 24cm tall.

6. 5 onions

7. No, Polly leaves at 11 o'clock.

8. 9

9. Yes, it will cost 30p to buy 3 beetroots.

10. No, Billy and Clive both scored 3 points.

11. There could be 23, 25, 27 or 29 sprouts.

12. Yes, Barbara Broccoli can make the numbers: 25, 29, 52, 59, 92, 95.