Carrot Club
Reasoning Cards
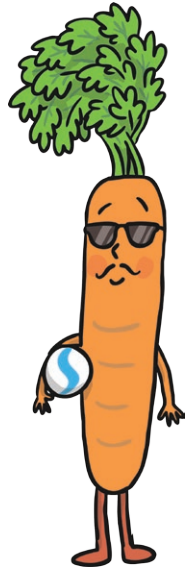
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1 Clive counts veggies in 2s as they enter the club.

Will he say the number 25?

Explain your thinking?

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2 There are 20 vegetables in the club.

There are 7 parsnips and 7 sprouts.

The rest are potatoes.

There are fewer potatoes than parsnips in the club.

Is this correct? How do you know?

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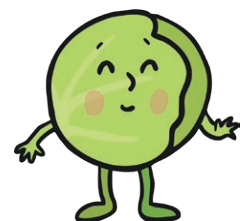**3** Pedro and Sally score 18 points in vegeteball altogether.

They both score an equal number of points.

Which answer shows how many points they scored? How do you know?
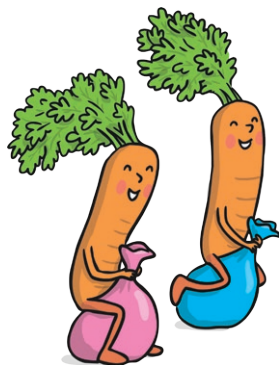
a) 8   b) 6   c) 9

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4 ★

There is room for 20 vegetables in Veggie Club.

There are 10 carrots and 5 parsnips already in the club.

Could 2 onions and 3 sprouts fit into the club as well?

How do you know?

5 ★ ★

There are 4 crates.

Each crate has the same number of carrots sleeping in it.

In total, there are 20 carrots sleeping in the crates.

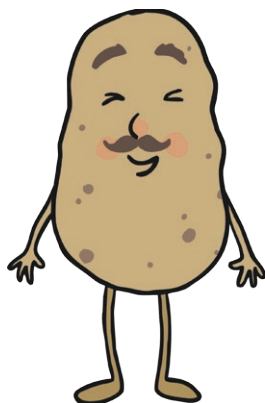Does an odd or even number of carrots sleep in the crates?

6 ★ ★

Pedro Potato describes the shape of the Veggie Club box.

He says that it is a 3D shape with 6 faces and 8 vertices.

What shape could it be?

Are there any other shapes it could be?

7 ★ ★

I buy 2 potatoes for 10p each and 2 carrots for 6p each.

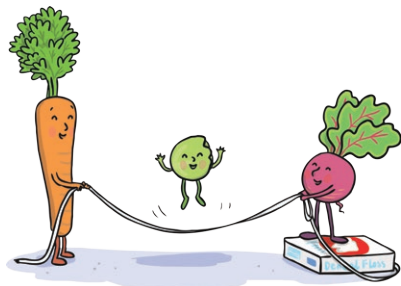Do I get change from 50p?

How do you know?

8

There are 4 Brussels sprout plants.

Each plant has 10 sprouts on it.

The supermarket needs to sell 45 sprouts.

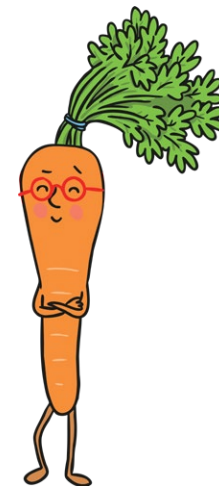Are there enough sprouts on the 4 plants?

How do you know?

9

Polly Parsnip sang karaoke songs for 30 minutes.

Clive sang karaoke songs for half an hour.

Polly says she sang for longer than Clive.

Is she correct?

Explain your reasoning.

10

There are 20 veggies in the swimming pool.

5 of them are sprouts.

A quarter of them are potatoes.

There are more sprouts than potatoes in the swimming pool.

Is this correct?

Explain your reasoning.

11
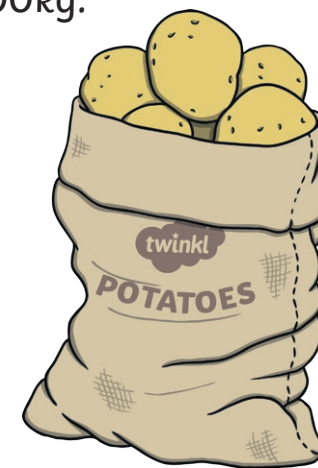
A sack of potatoes weighs 5kg.

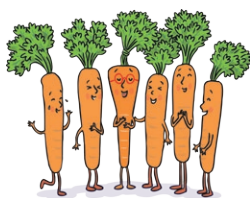12 sacks weigh less than 100kg.

Is this correct?

How do you know?

★ ★ ★

12 This table shows the number of vegetables bought in the supermarket in one day.

Are these statements true or false?

Carrots	50
Parsnips	12
Potatoes	62
Sprouts	100

a. The number of sprouts bought is double the number of carrots.

b. The total number of potatoes and parsnips that were bought is 75.

c. The difference between the number of carrots and parsnips bought is 38.

Answers

1. No, because 25 isn't a multiple of 2.

2. Yes there are fewer potatoes. There are 6 potatoes.

3. c) 9

4. Yes

5. There are 5 carrots in each crate, which is an odd number.

6. It could be a cube or cuboid.

7. Yes, I spend 32p. I will have 18p change.

8. No, there are not enough sprouts. There will only be 40.

9. No, because 30 minutes is equal to half an hour.

10. There is the same number of potatoes and sprouts.

11. Yes, the potatoes would weigh 60kg.

12. a) True   b) False   c) True