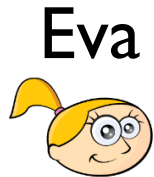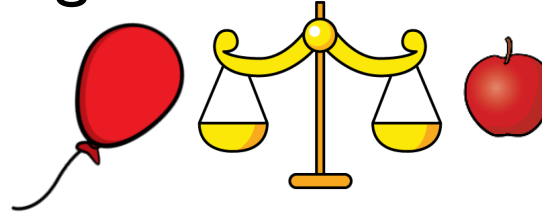**White Rose Maths**

Year 1

Weight & Volume

The class are seeing whether the balloon or apple will weigh more.

Eva

The balloon will be heavier because it is bigger than the apple.

Whitney

The balance will be level because they are both red.

Mo

The apple will go down because it is lighter.

Teddy

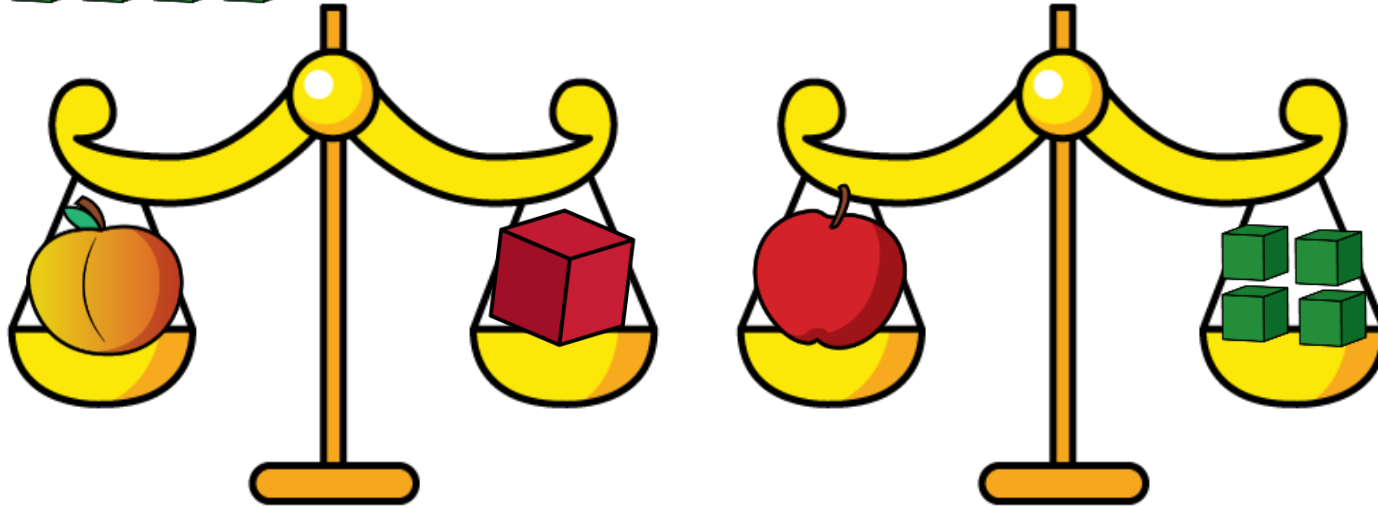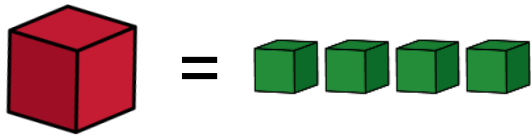The balloon will go up because it is lighter.

Who is correct? Explain why.

2

I'm thinking of an object. It is heavier than a pencil, but lighter than a dictionary.

What object could Jack be thinking of?
Prove it.
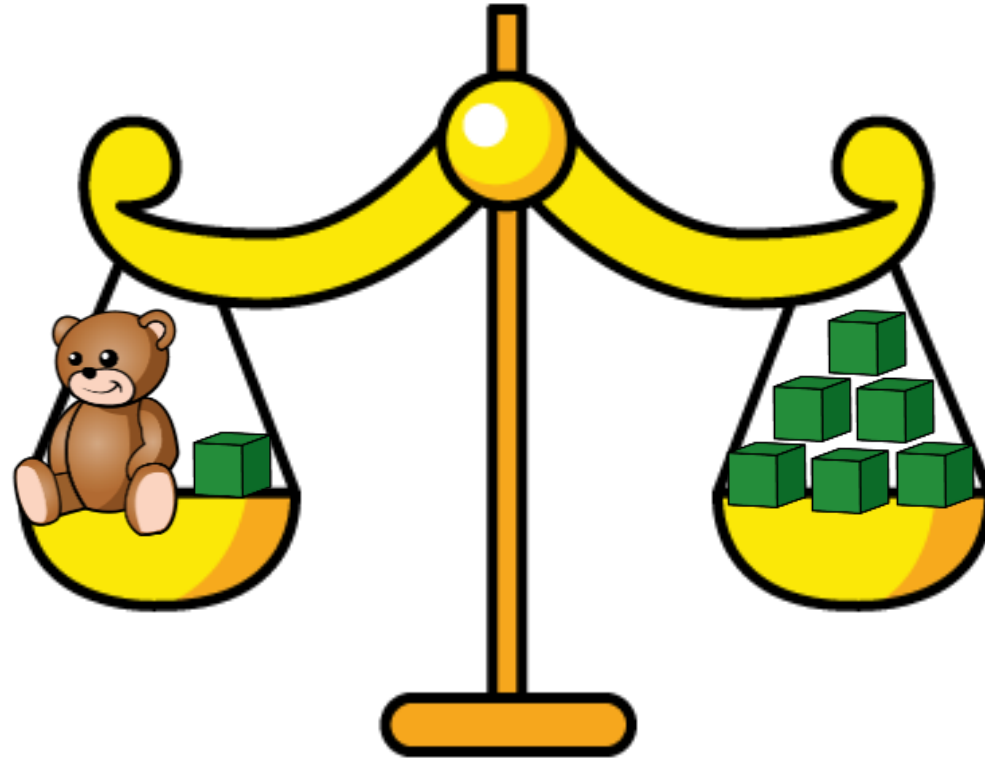How many objects can you think of?

Amir says,

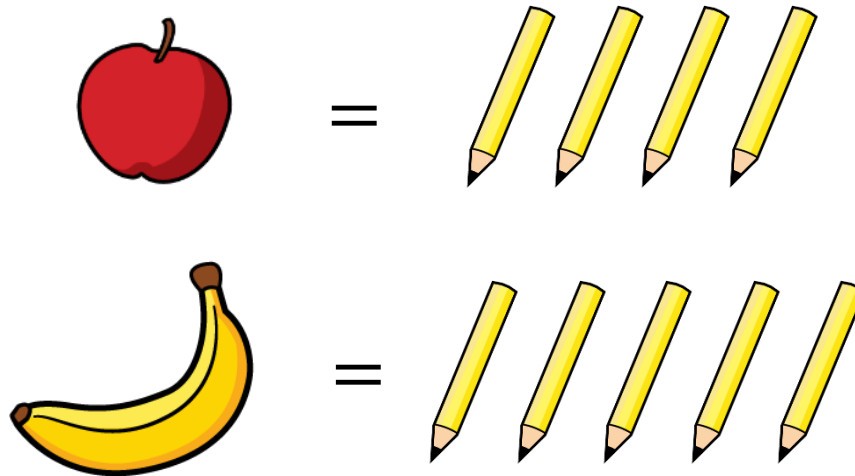The apple is heavier than the peach, because it weighs 4 cubes.

Teddy says,

The apple and the peach weigh the same.

Who do you agree with?
Explain why.

How many cubes does the teddy bear weigh?
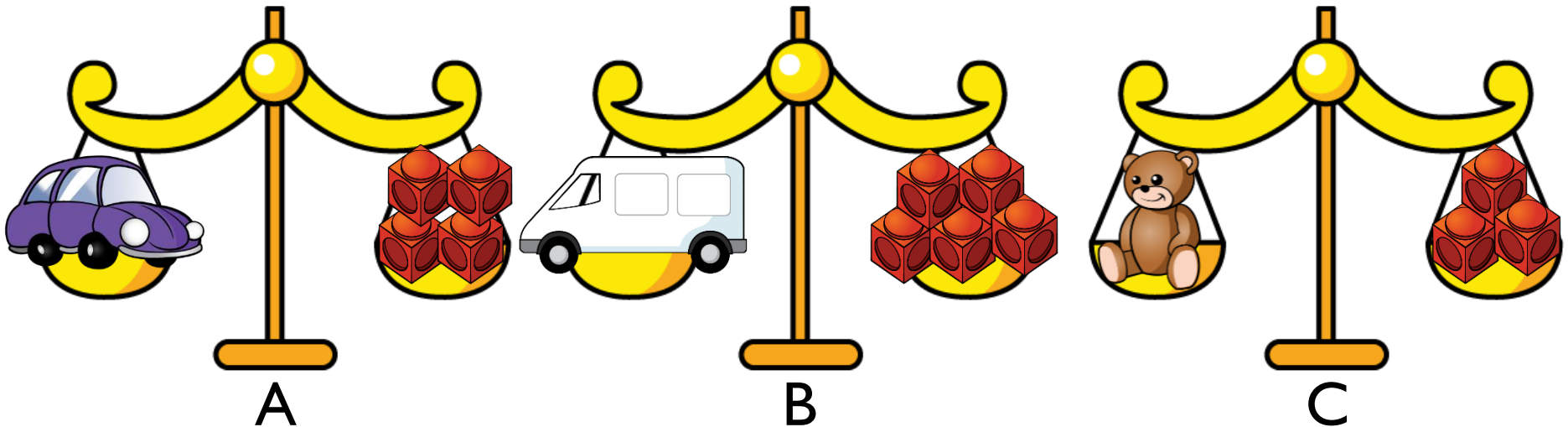Explain how you know.

Complete the sentences below:

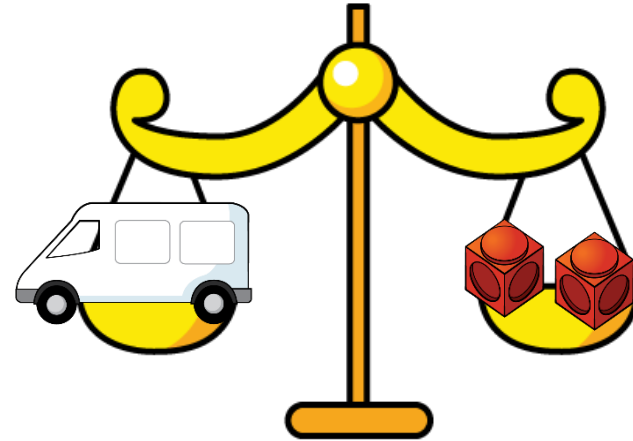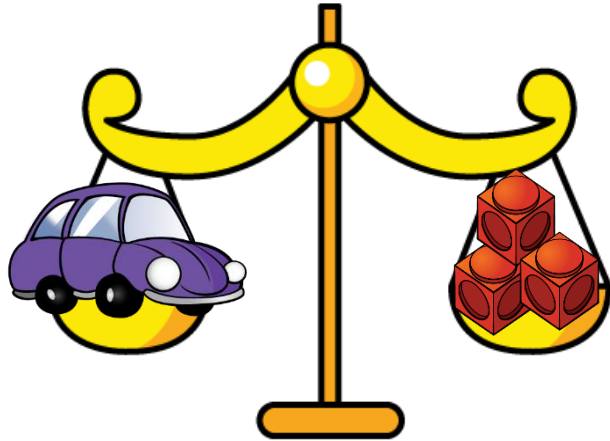The _____ is heavier than the _____ .

The _____ is lighter than the _____.

The _____ weighs _____ pencils.

Can you match the clue to the images?

1) My object weighs more than the car.
2) My object is less than 5 cubes.
3) My object is not the heaviest or the lightest.

A

B

C

Look at the balance scales below.

Which statements are true?
- The car is heavier than the van.
- The van is heavier than the car.
- The car is lighter than the van.
- The van is lighter than the car.
- The car and van weigh the same amount.

Can you make a problem like this for your partner?

Always, Sometimes, Never?

The tallest container holds the most liquid.

Identical containers can have a different capacity.

Show me.

Rosie, Teddy and Amir are describing their glasses of water.

My glass has more water than Teddy's.

Rosie

My glass is nearly full.

Teddy

My glass has less water than Rosie's.

Amir

Can you fill in how much water could be in each of the children's glasses?
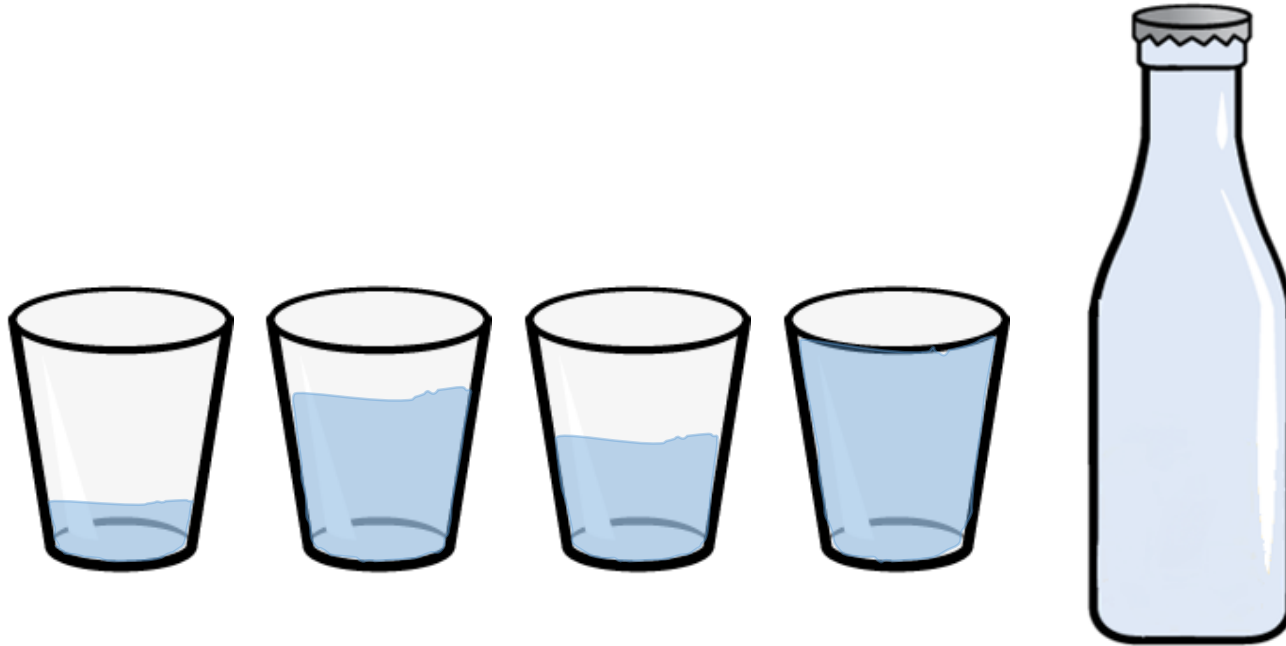
Rosie

Teddy

Amir

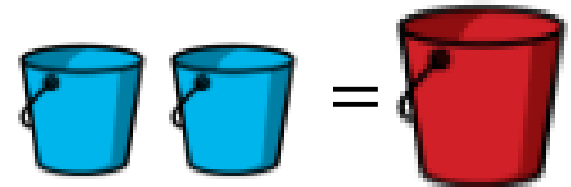Whitney pours her cups into the bottle and they fill it exactly.

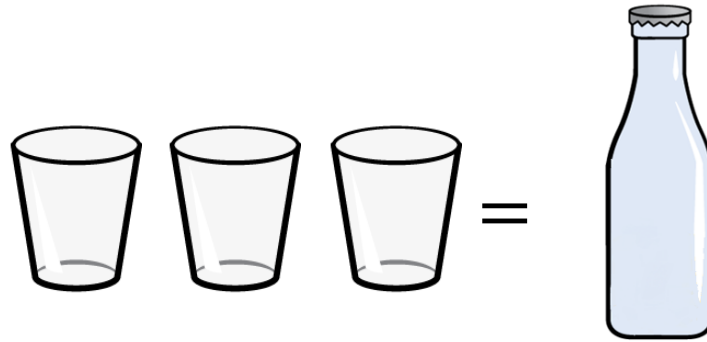She says the bottle has a capacity of four cups. Do you agree?

It takes 5 ☕ to fill 1 🪣

☕ ☕ ☕ ☕ ☕ = 🪣

It takes 2 🪣 to fill 1 🪣
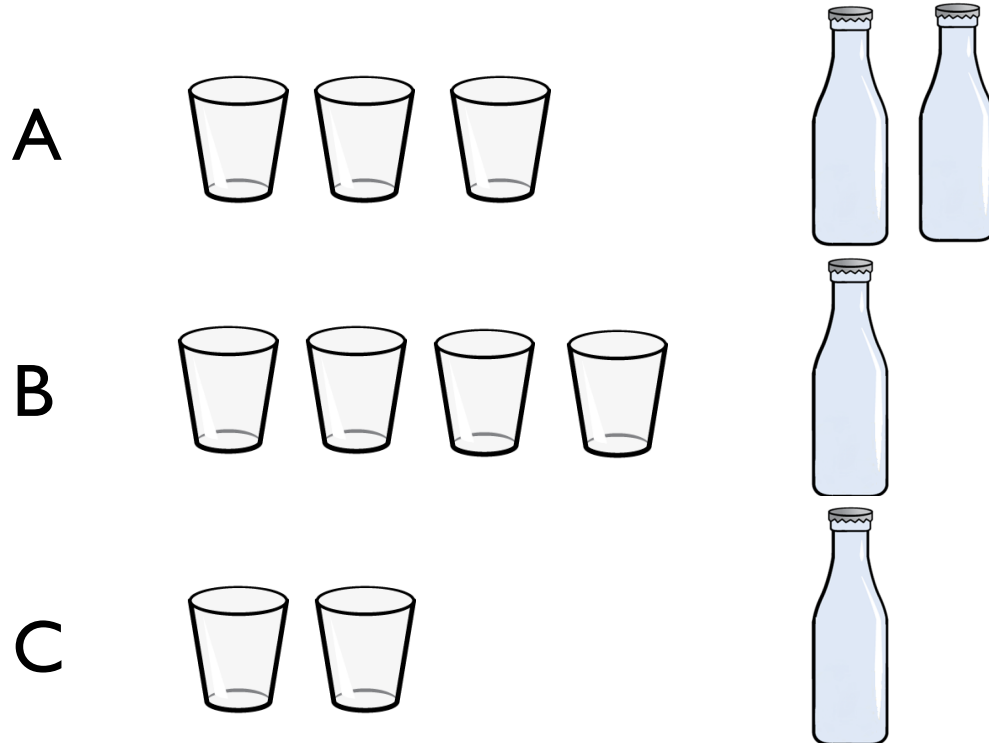
🪣 🪣 = 🪣

How many ☕ will fill one 🪣 ?

What else can you find out?

If

=

Circle whether the glasses or bottles hold more in each row:

A

B

C

Alex has a bottle of juice. She pours three glasses of juice.

The bottle holds exactly three glasses of juice.

Do you agree? Explain why.

Choose three containers.

Investigate how you could compare the capacity of each one.