

Robot Parts & Senses

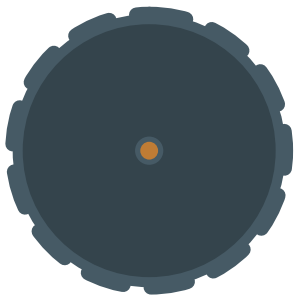
Robots in Kindergarten through 2nd Grade

RobotTM

Education

Robots have lots of parts.

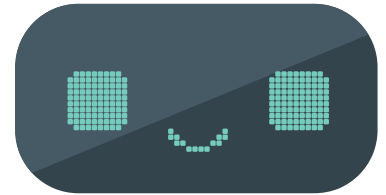
Here are some of the parts you might see on a robot.



wheel



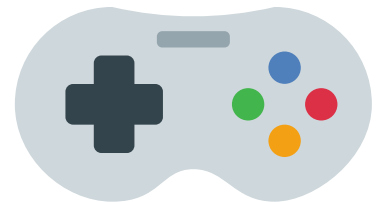
antenna



digital
display



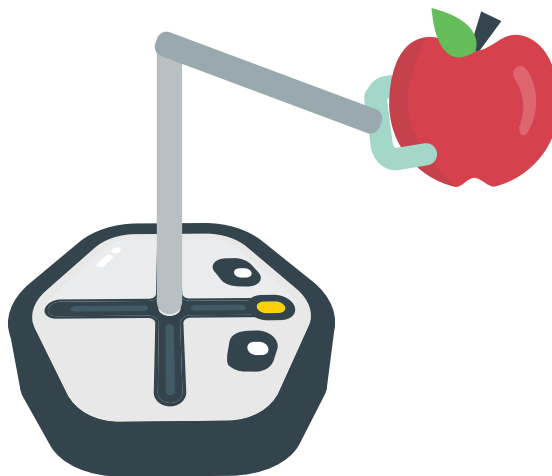
camera



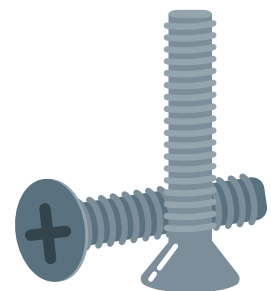
controller



button

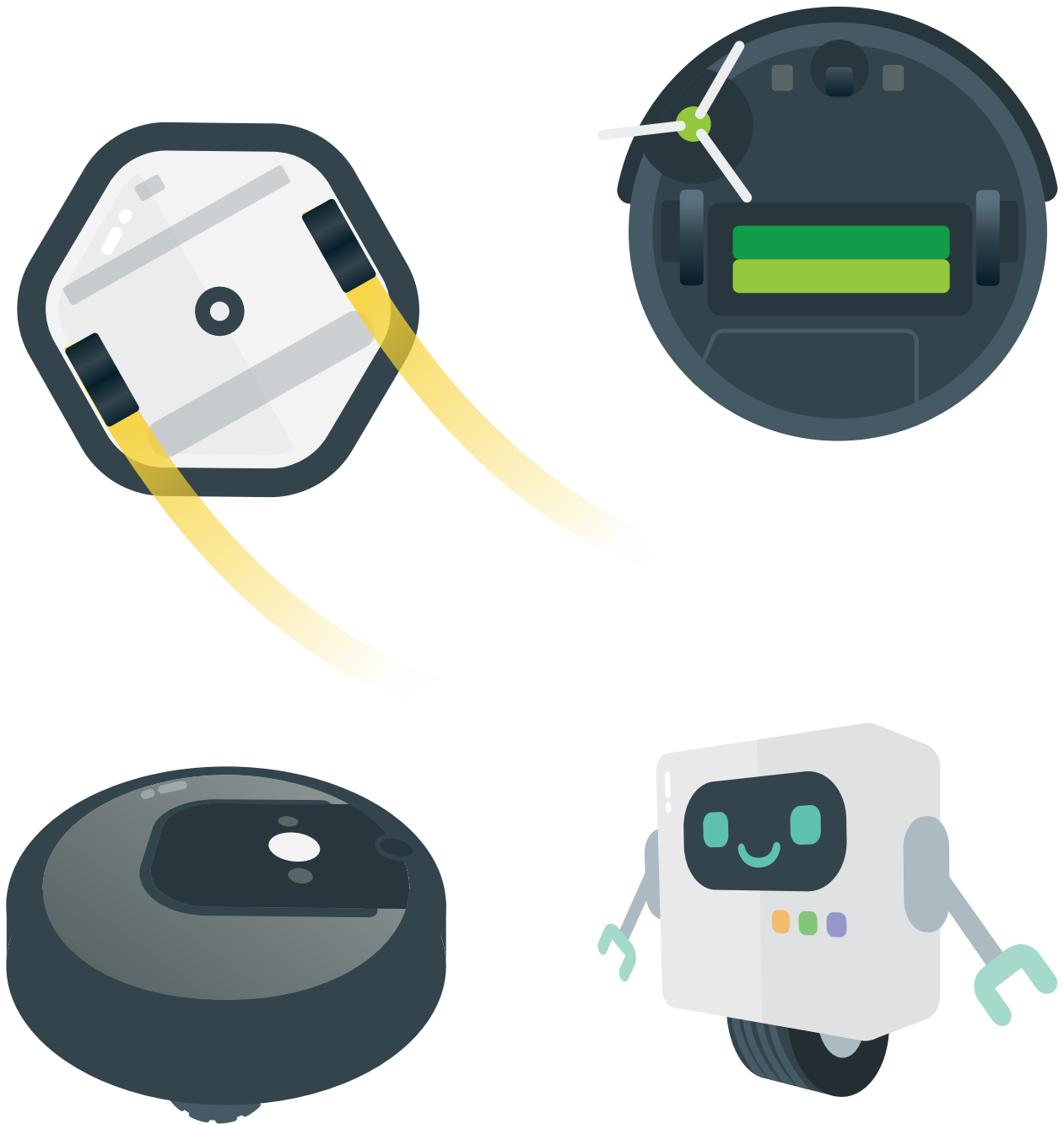


gripper arm



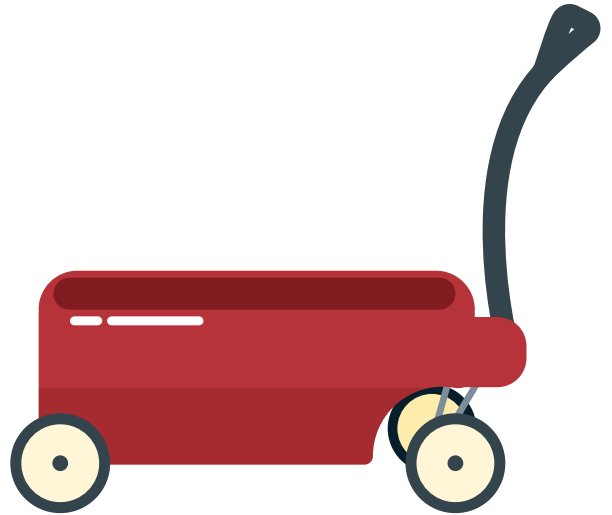
screws

Many robots have wheels.
Can you circle the wheels on these robots?

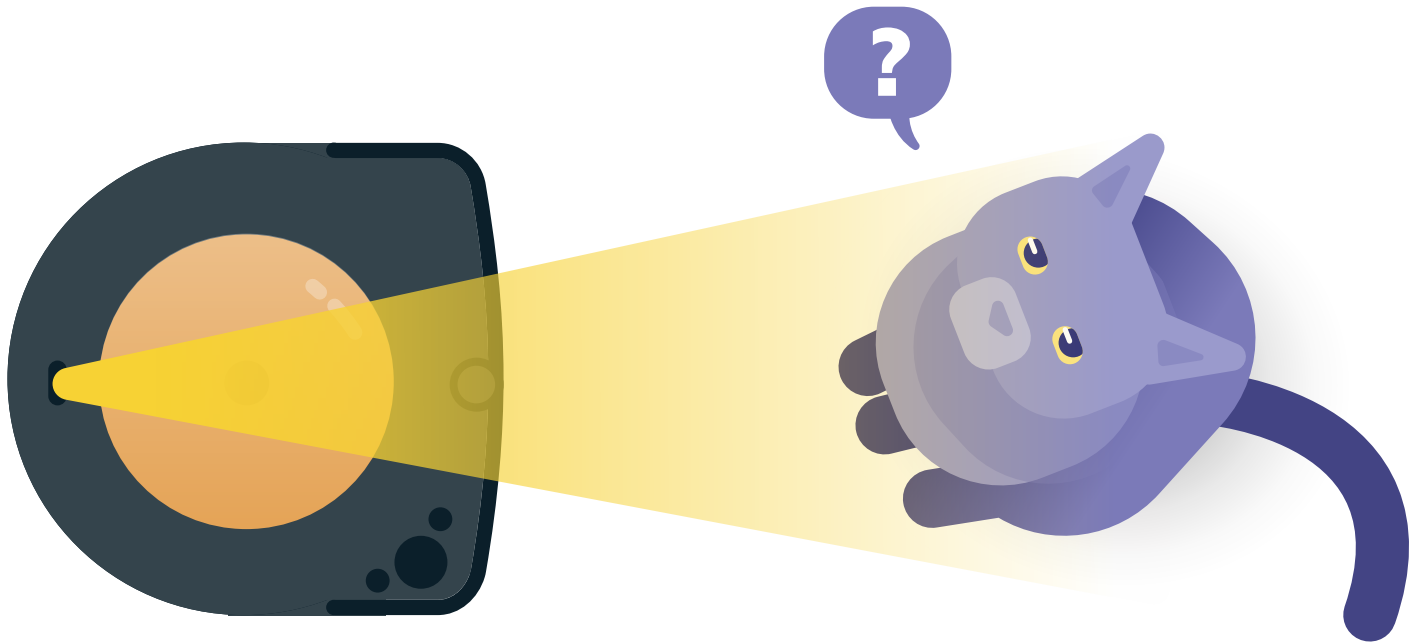


What else has wheels?

Can you circle the wheels on these common objects?



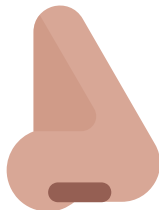
Robots can sense the world like we do.
Some robots use a camera to sense their surroundings.
Circle which of the five senses a camera uses.



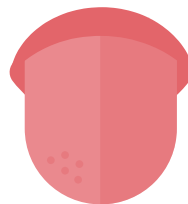
Sight



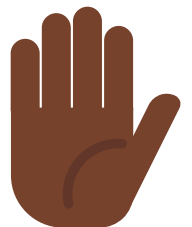
Hearing



Smell

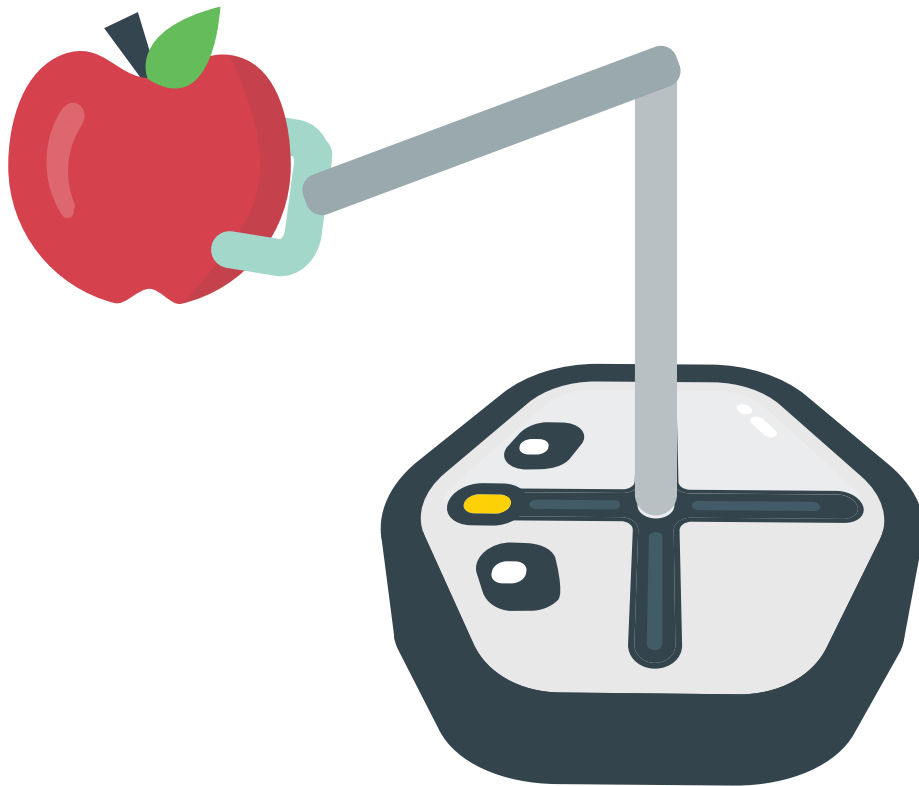


Taste



Touch

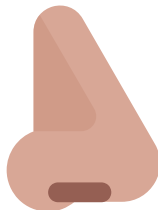
Some robots use a gripper to pick up and feel objects.
Circle which of the five senses a gripper uses.



Sight



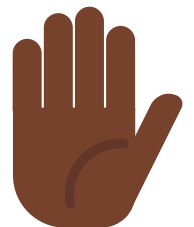
Hearing



Smell

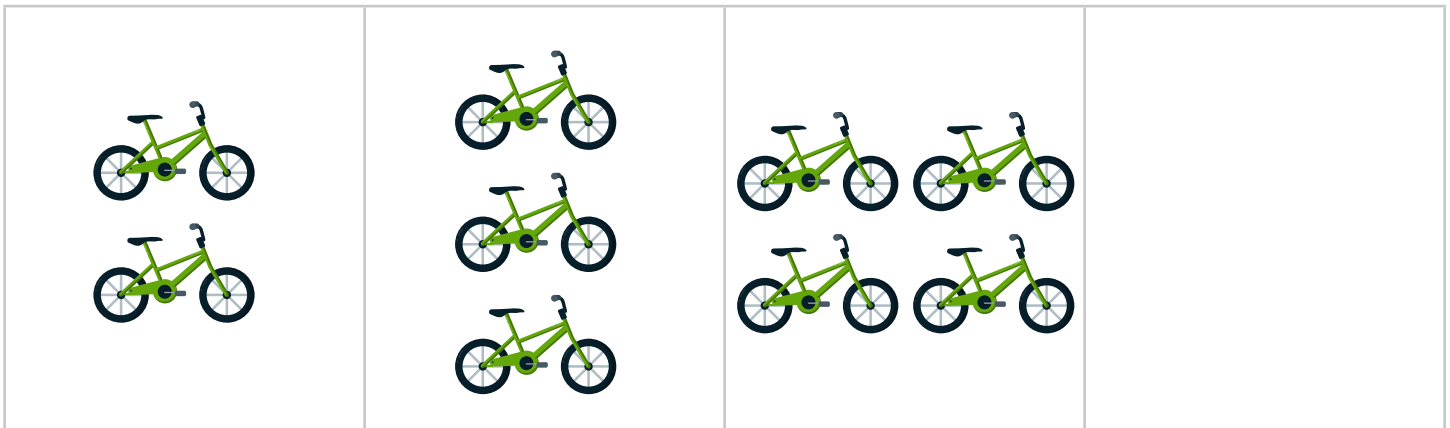


Taste

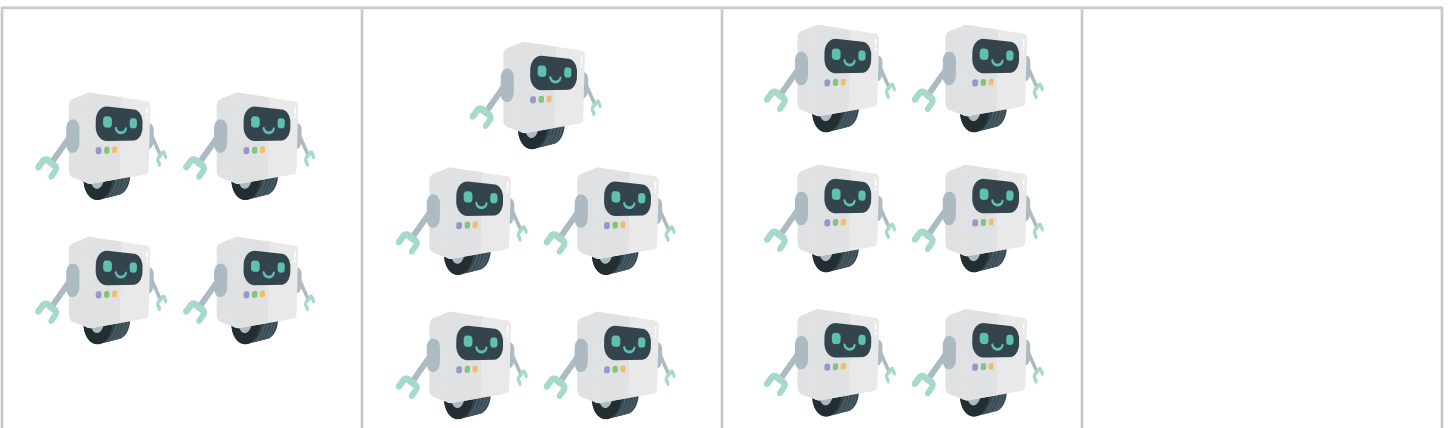


Touch

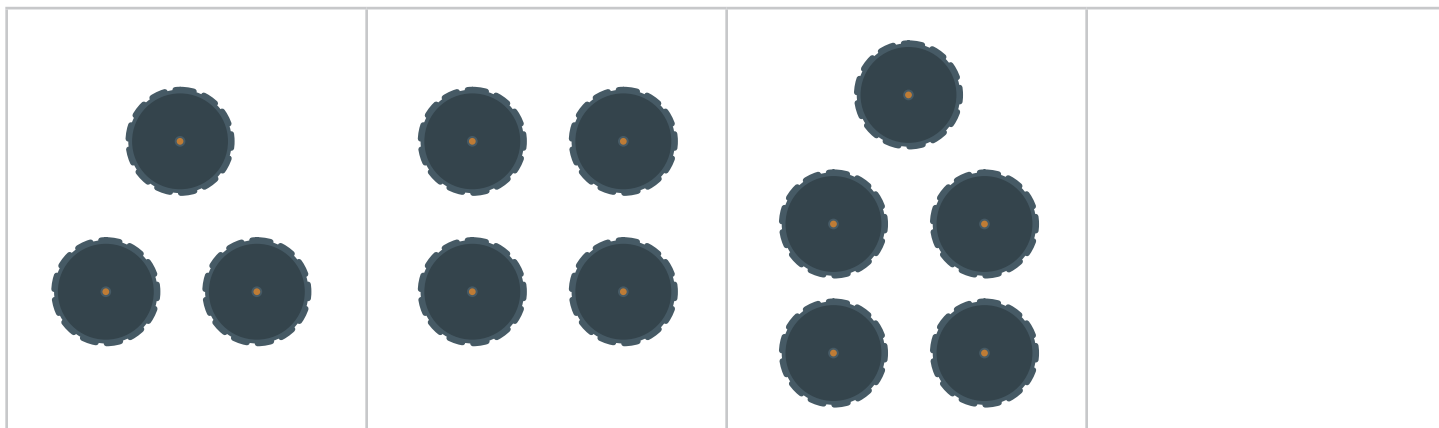
Under each picture, write how many bicycles there are.
How many bicycles are next? Write how many in the last box.



Under each picture, write how many robots there are.
How many robots are next? Write how many in the last box.



Under each picture, write how many wheels there are.
How many wheels are next? Write how many in the last box.



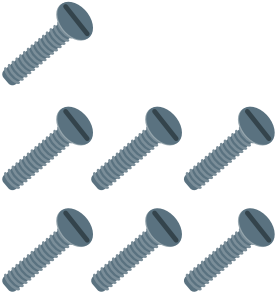
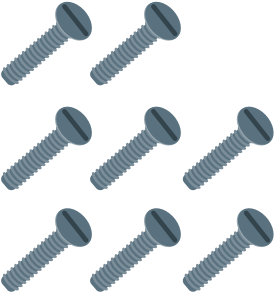
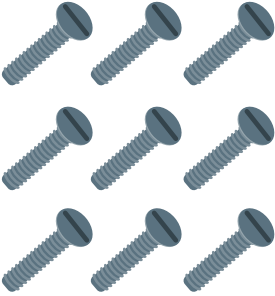
Under each picture, write how many buttons there are.
How many buttons are next? Write how many in the last box.



Under each picture, write how many controllers there are.
How many controllers are next? Write how many in the last box.

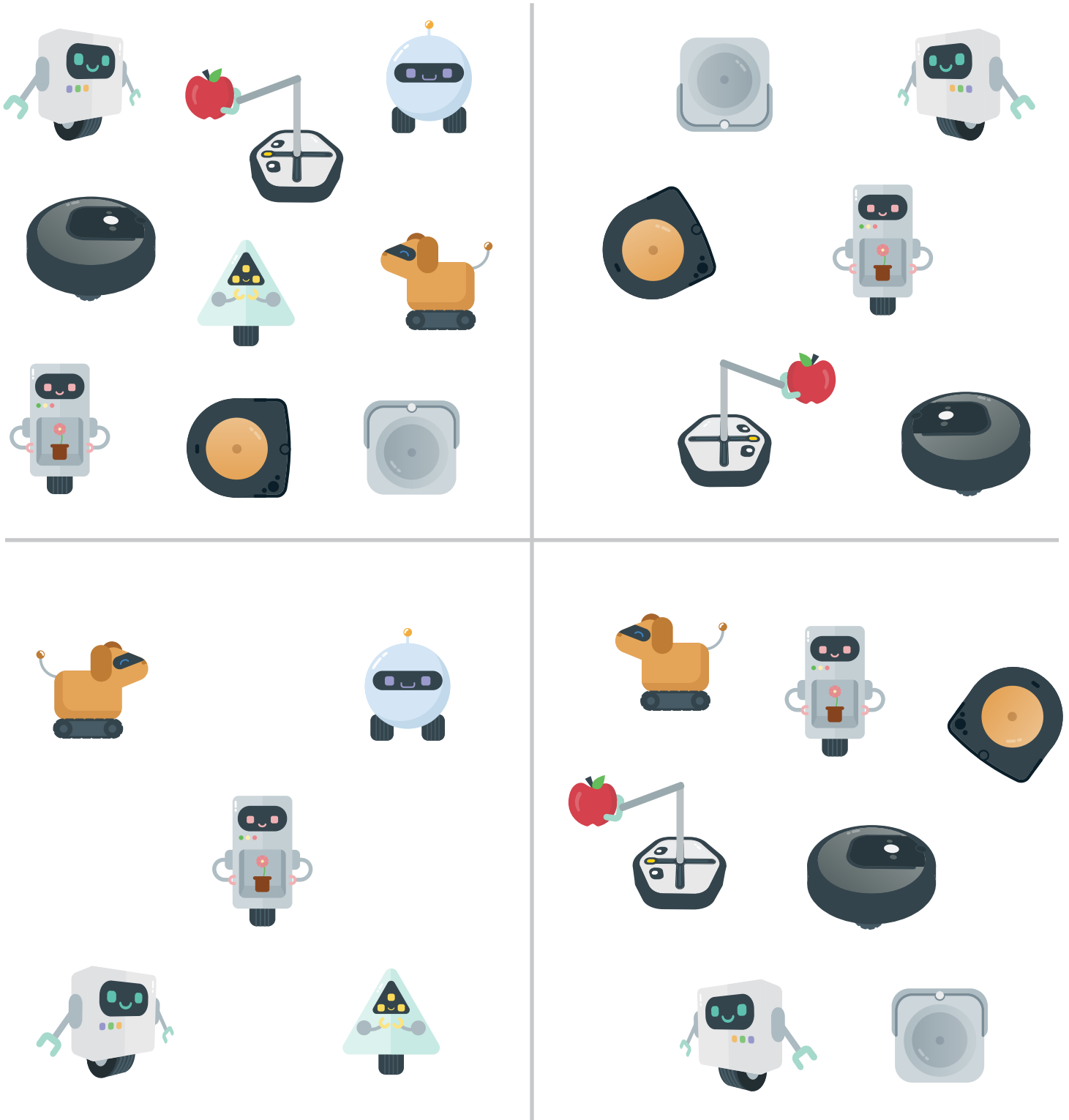
			
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Under each picture, write how many screws there are.
How many screws are next? Write how many in the last box.

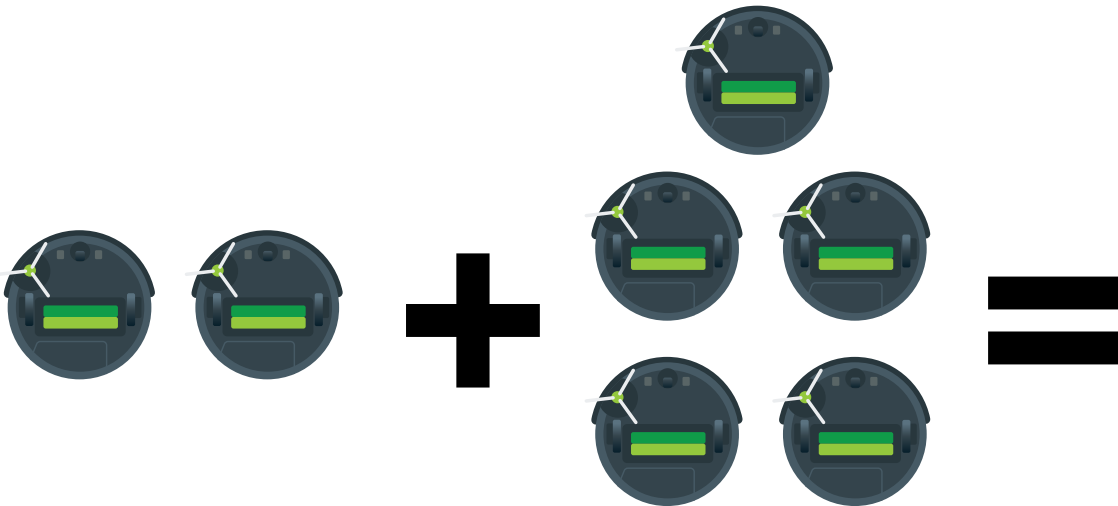
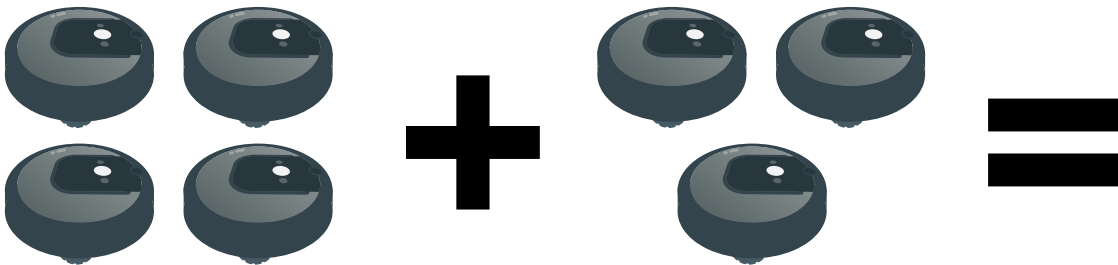
			
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Count how many robots there are in each group.

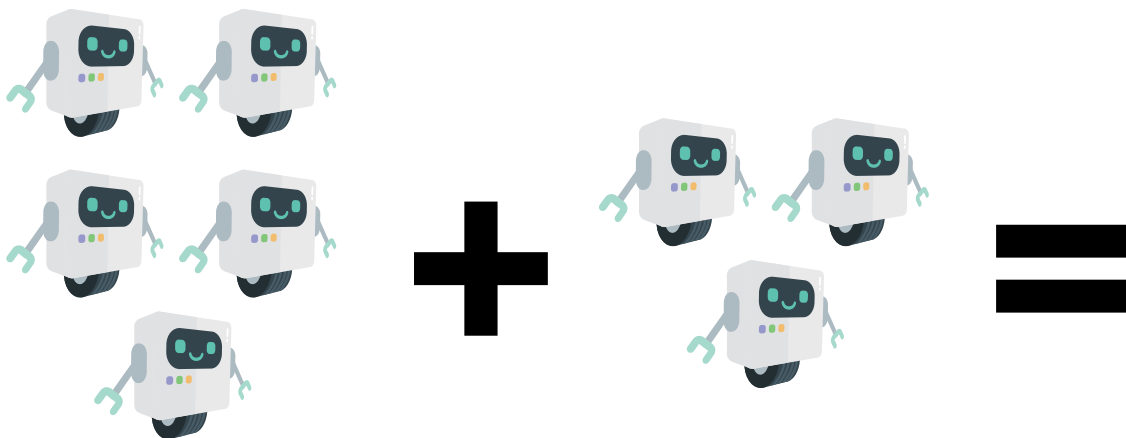
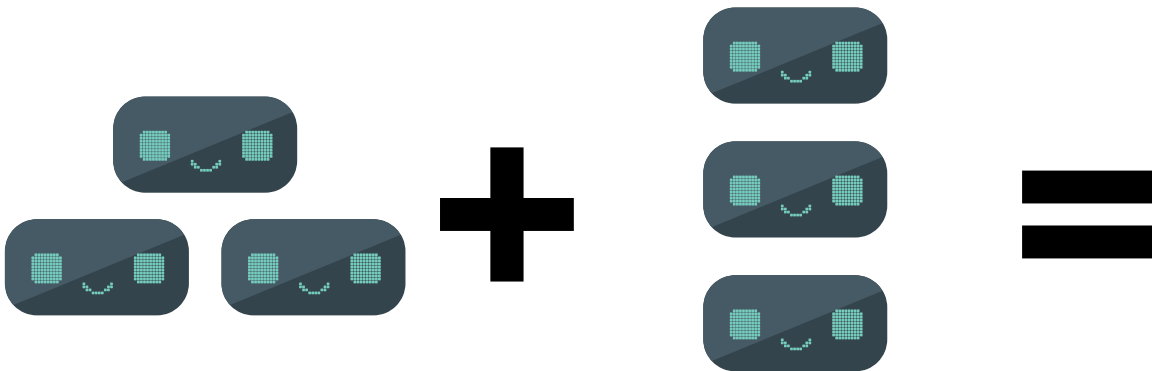
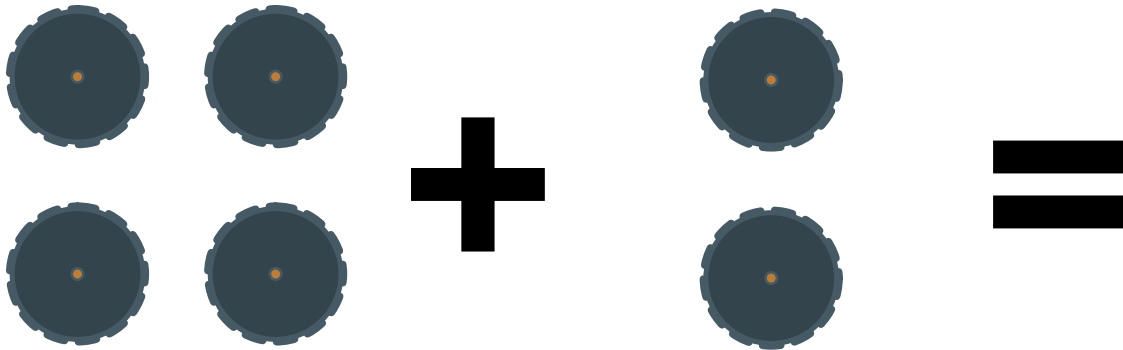
Hint: They are all robots.



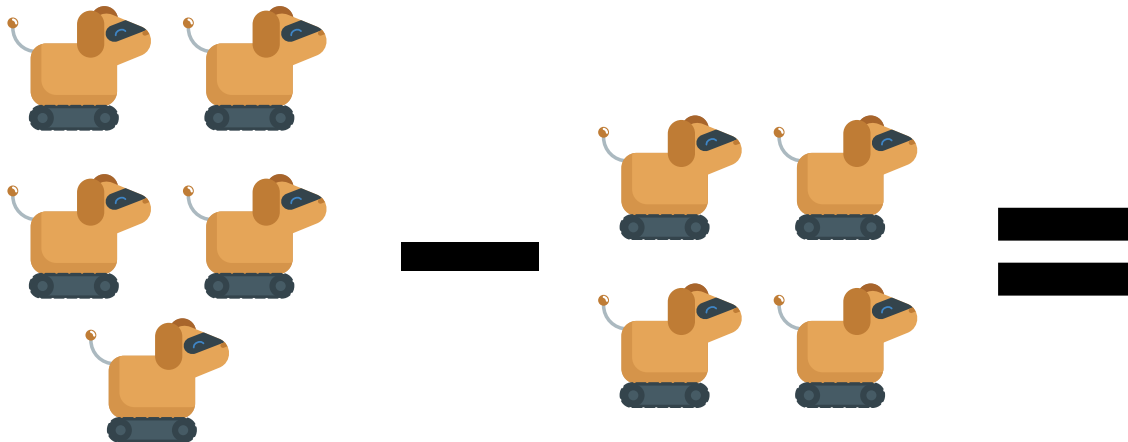
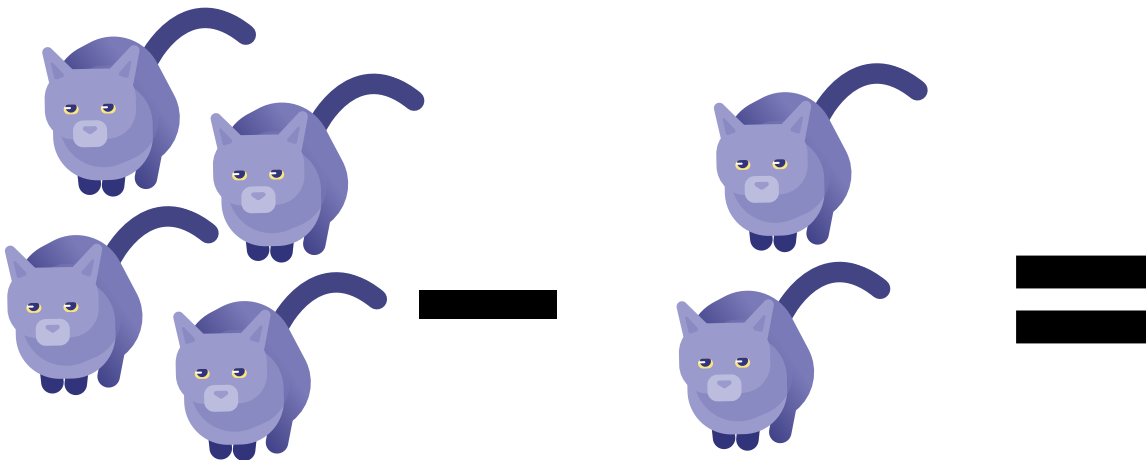
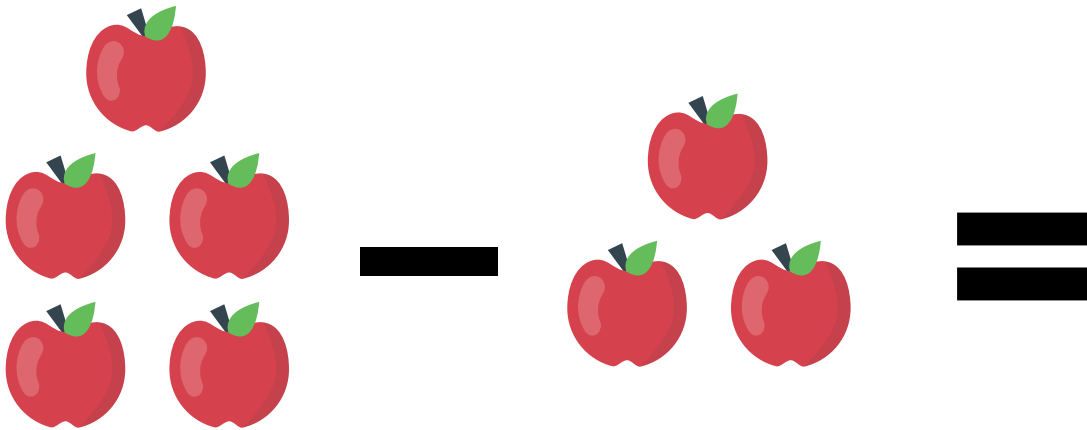
Let's add! Count the objects and add them together.



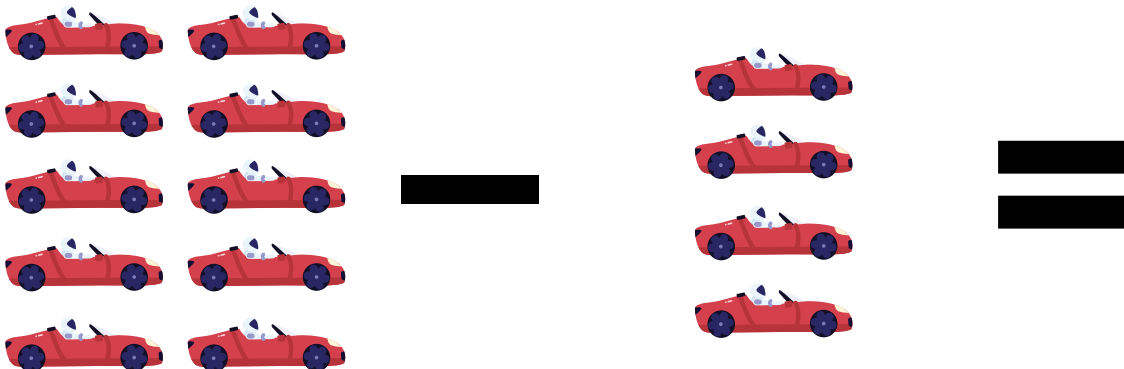
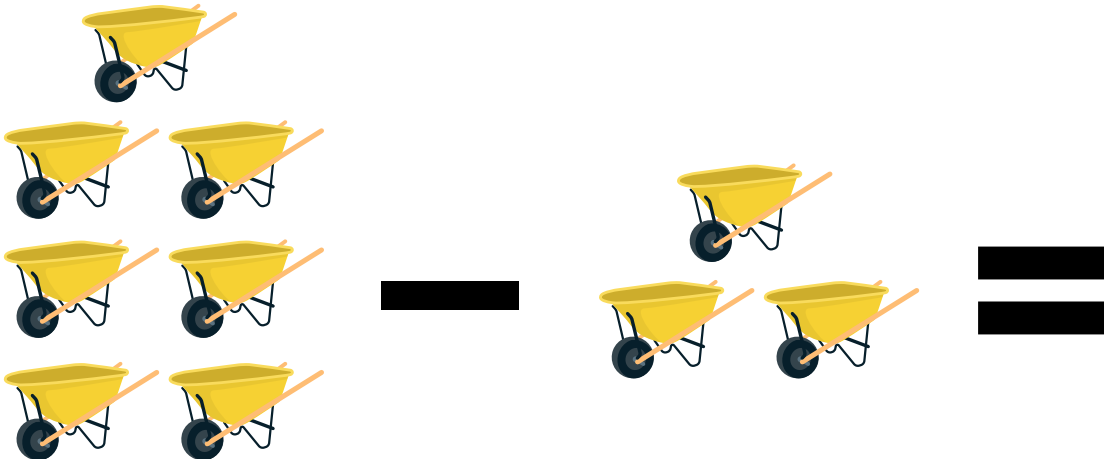
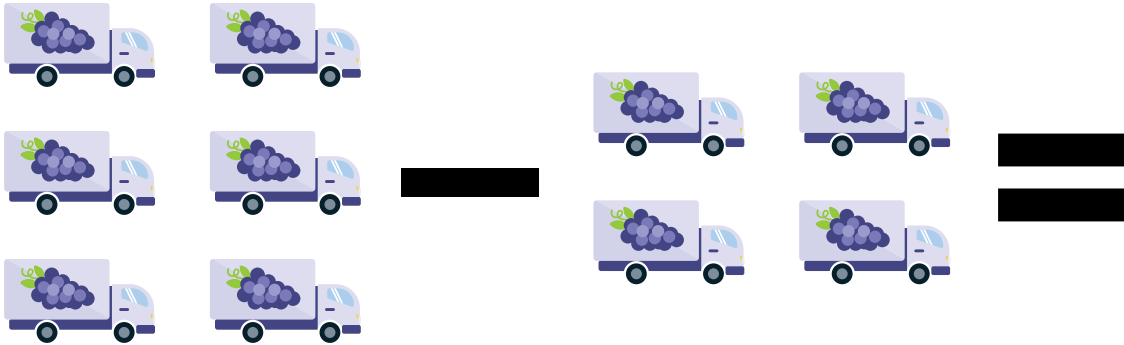
Let's add! Count the objects and add them together.



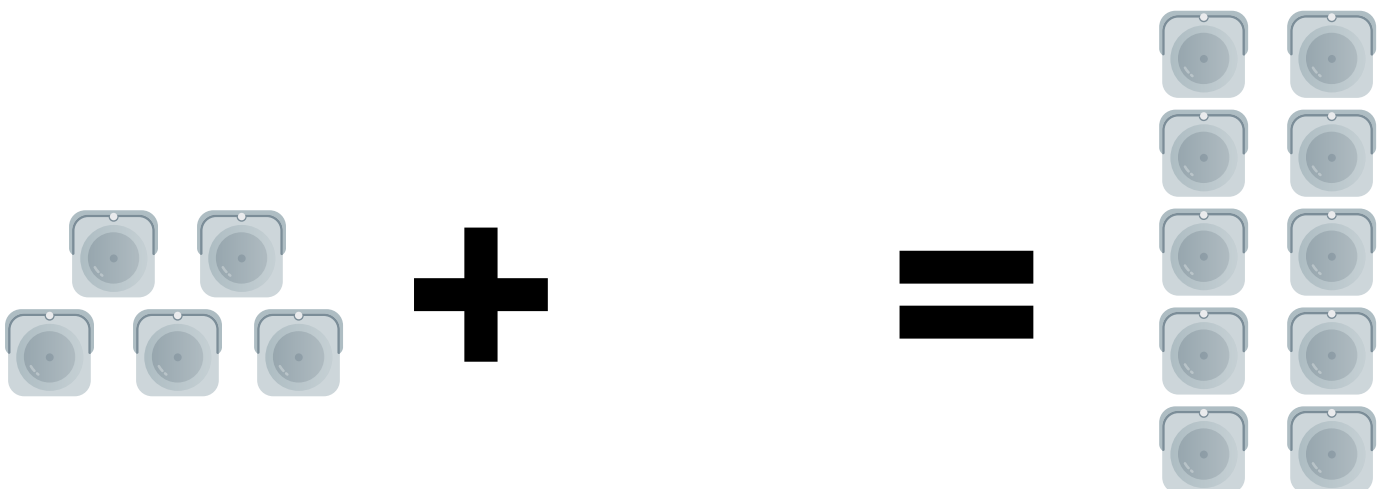
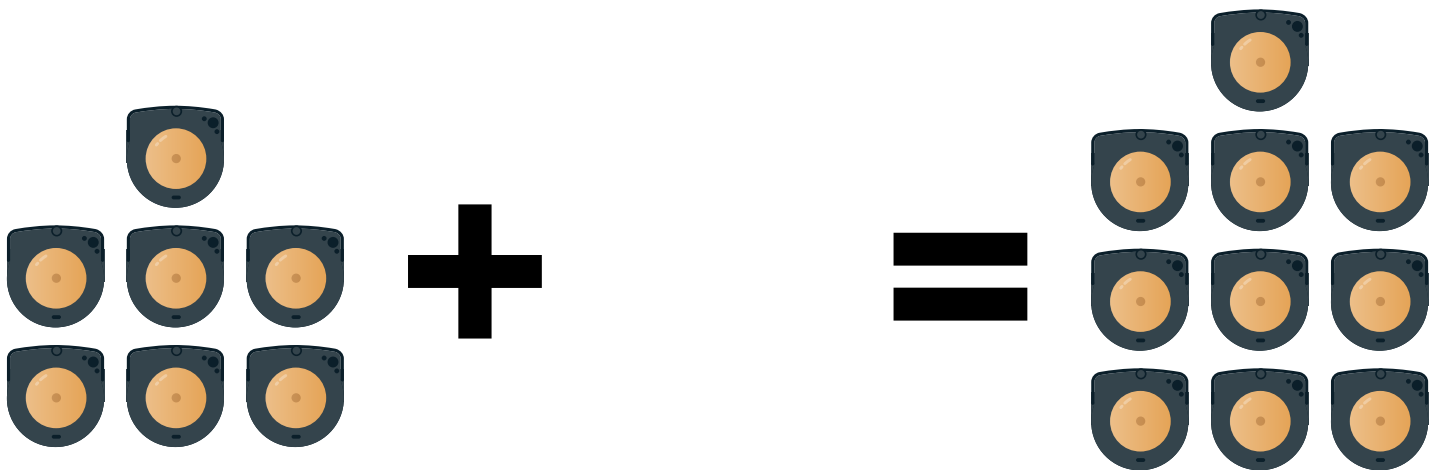
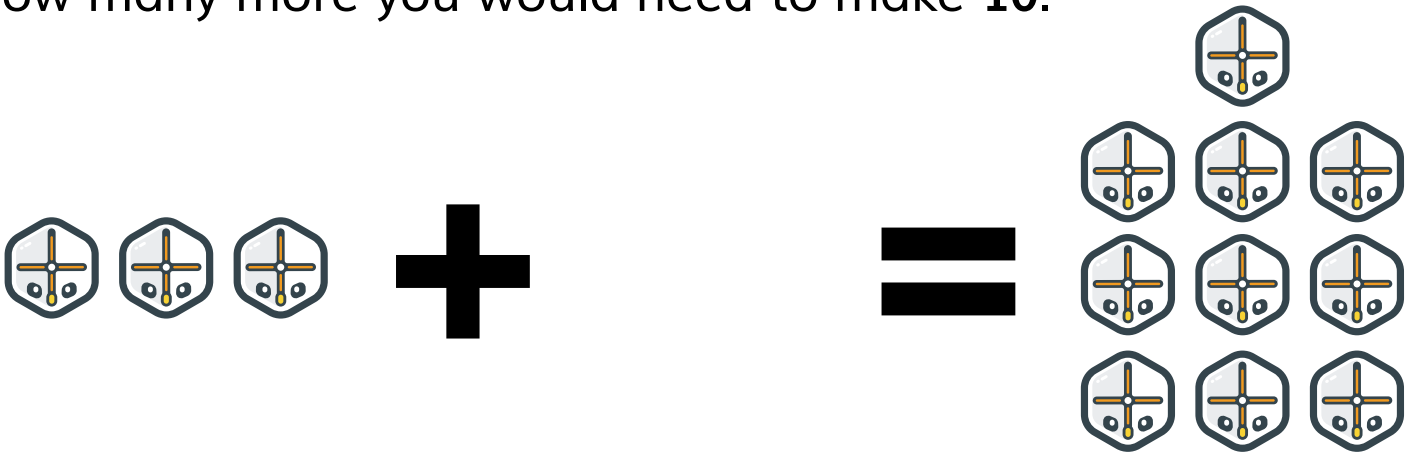
Let's subtract! Count the objects and subtract.



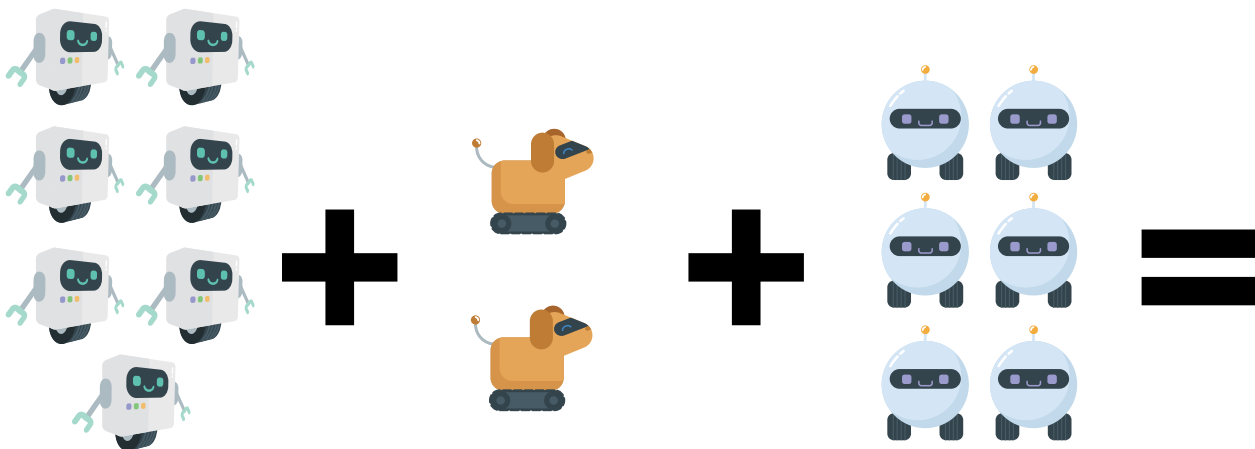
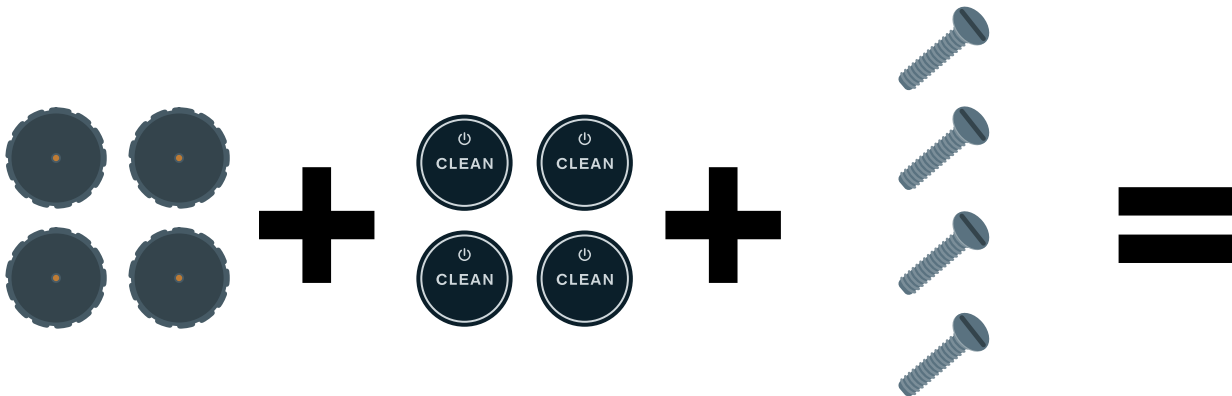
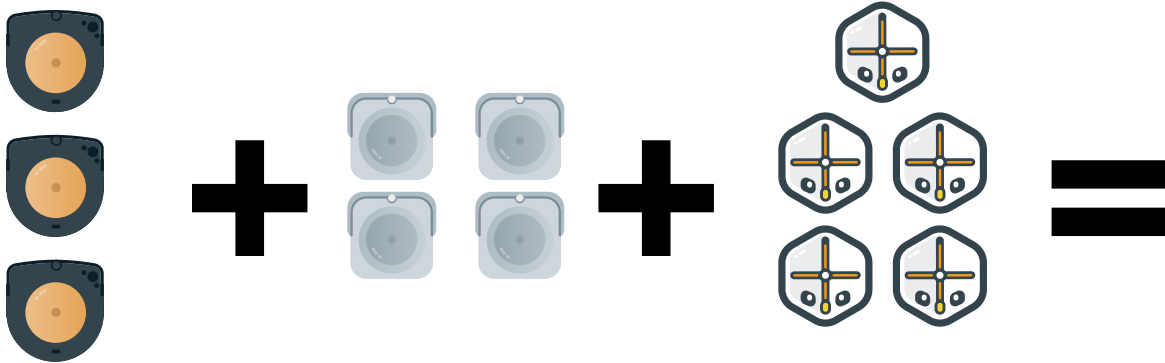
Let's subtract! Count the objects and subtract.



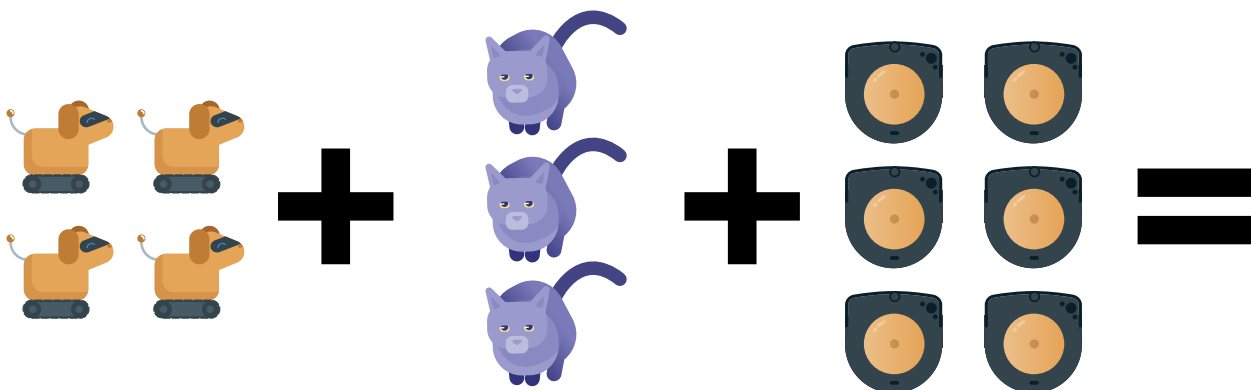
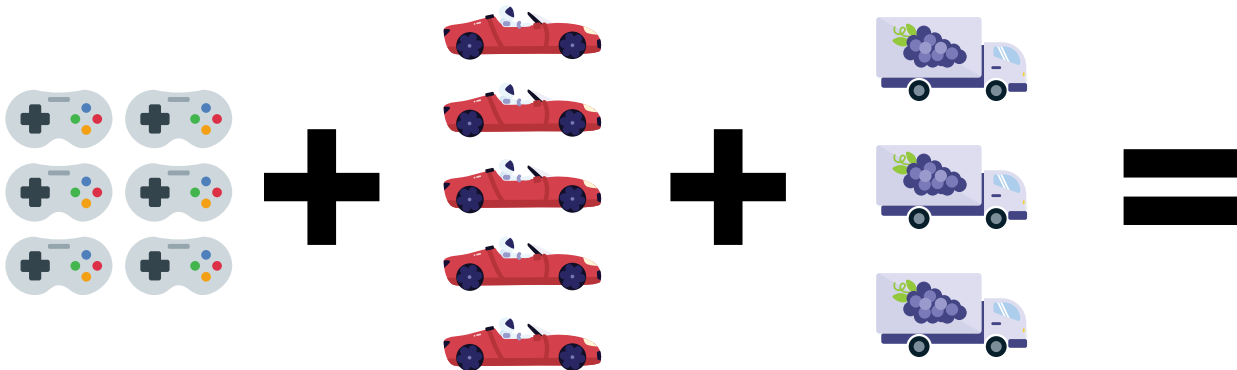
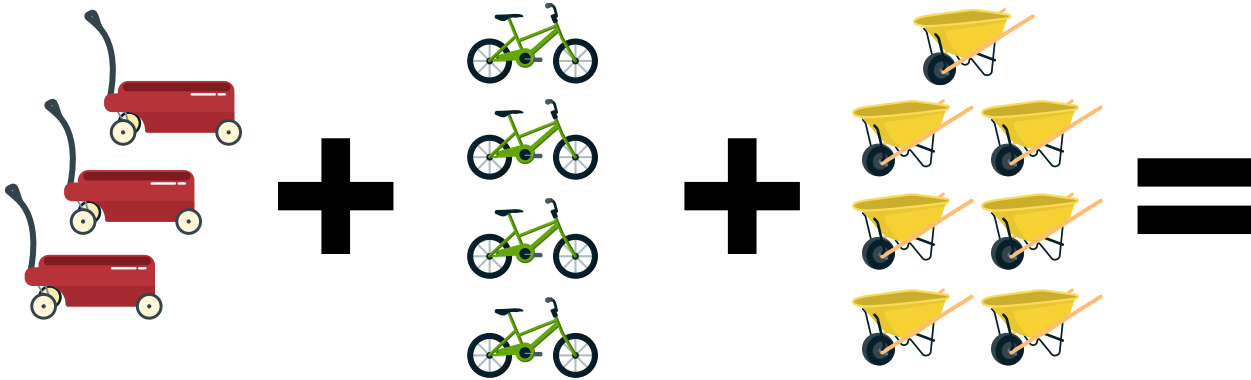
What adds up to 10? Count the objects and write down how many more you would need to make 10.



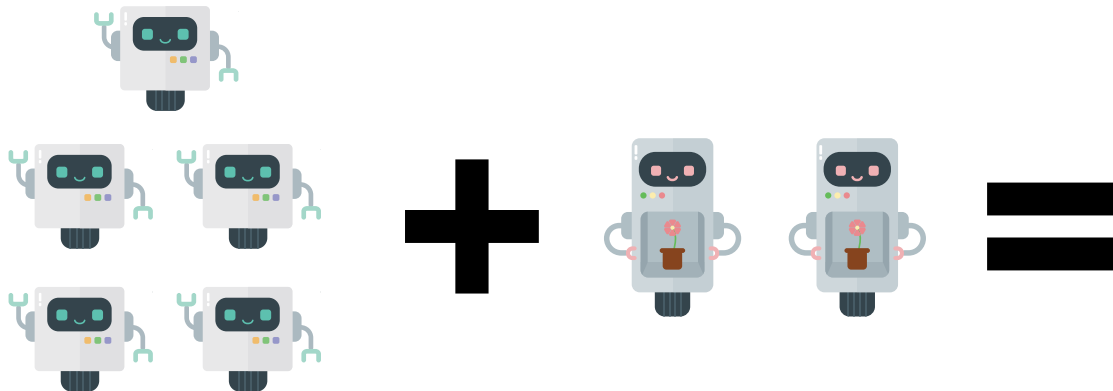
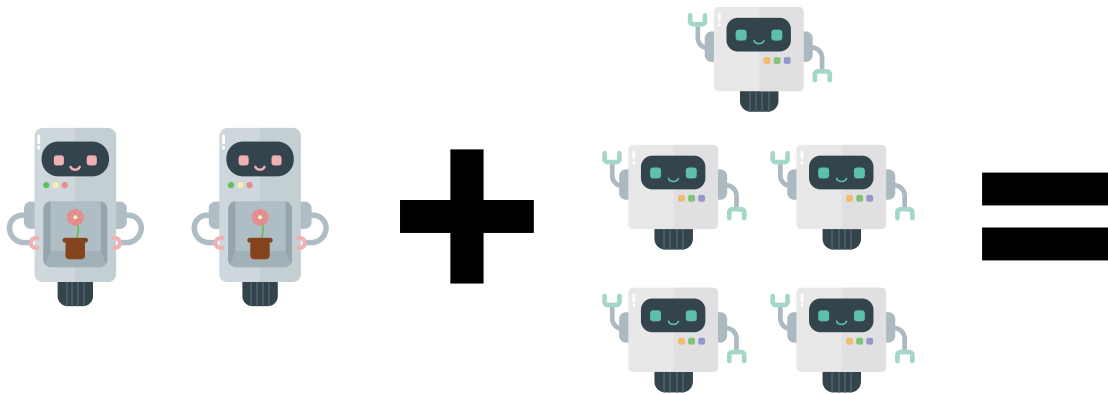
Let's add more! Count the objects and add them together.



Let's add more! Count the objects and add them together.



Let's add! Count the objects and add them together.

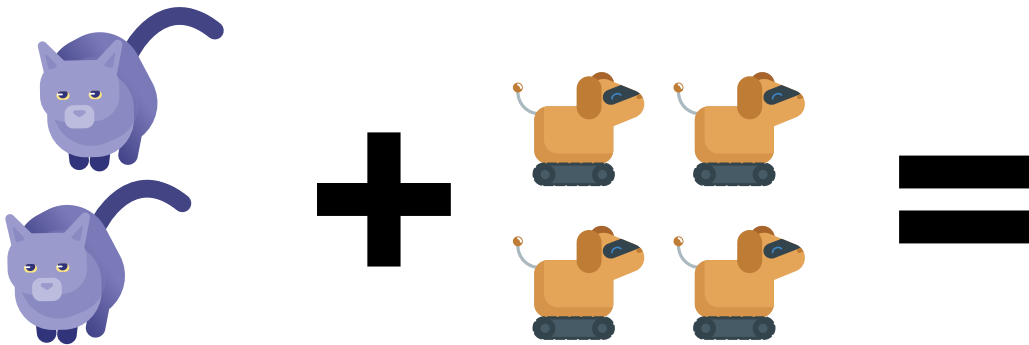
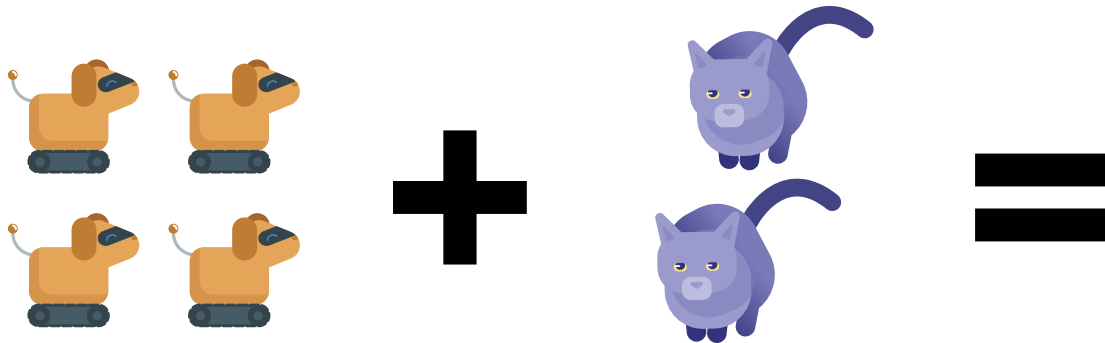


Are the two totals the same or different? Circle the answer.

Same

Different

Let's add! Count the objects and add them together.

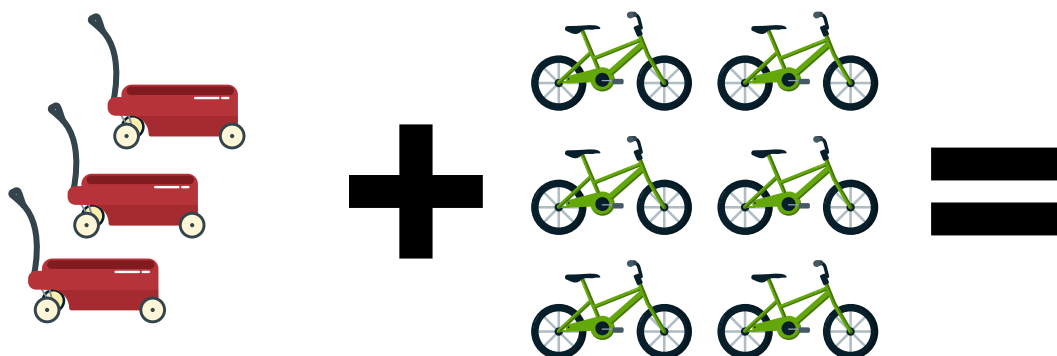
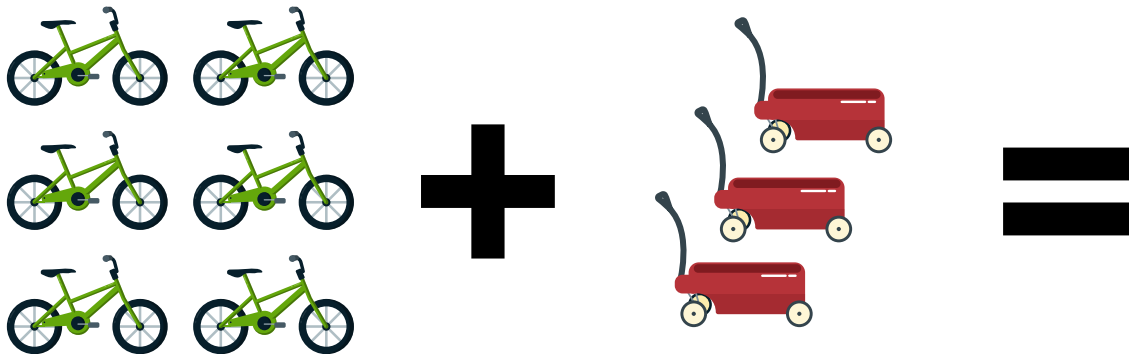


Are the two totals the same or different? Circle the answer.

Same

Different

Let's add! Count the objects and add them together.



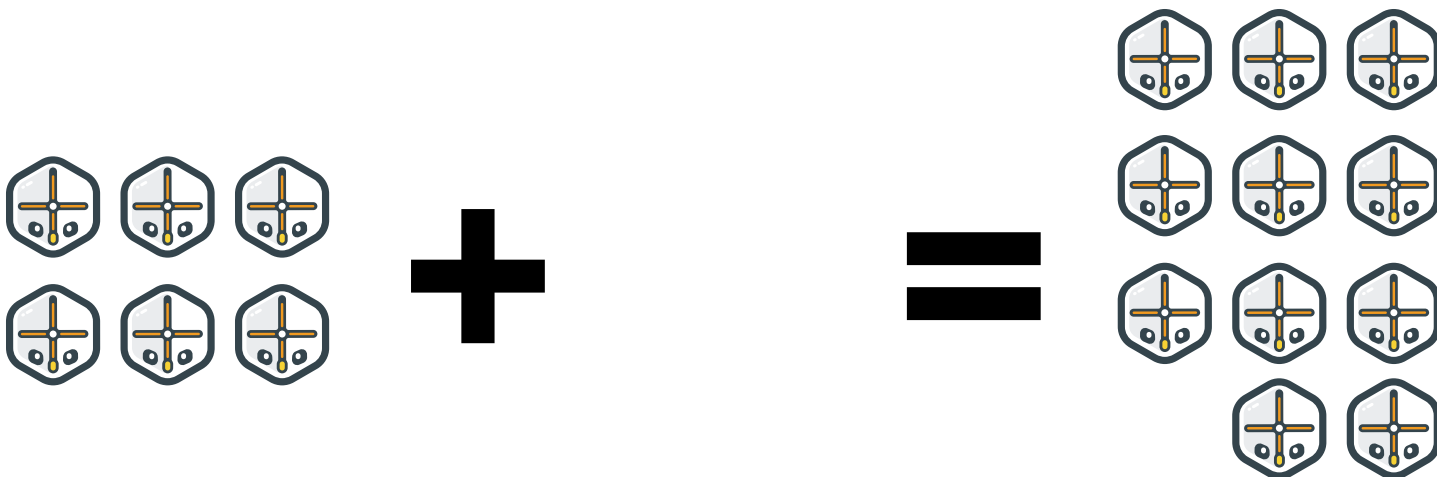
Are the two totals the same or different? Circle the answer.

Same

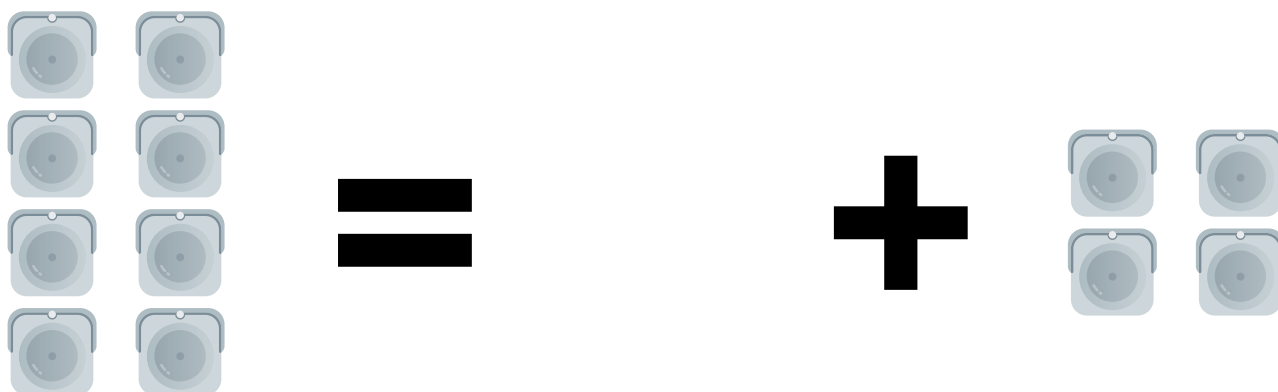
Different

Find the missing number.

Write the number that completes the equation.

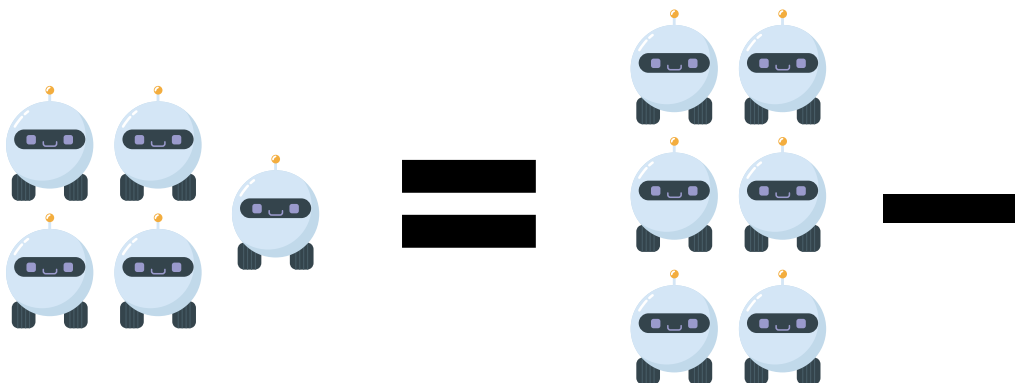




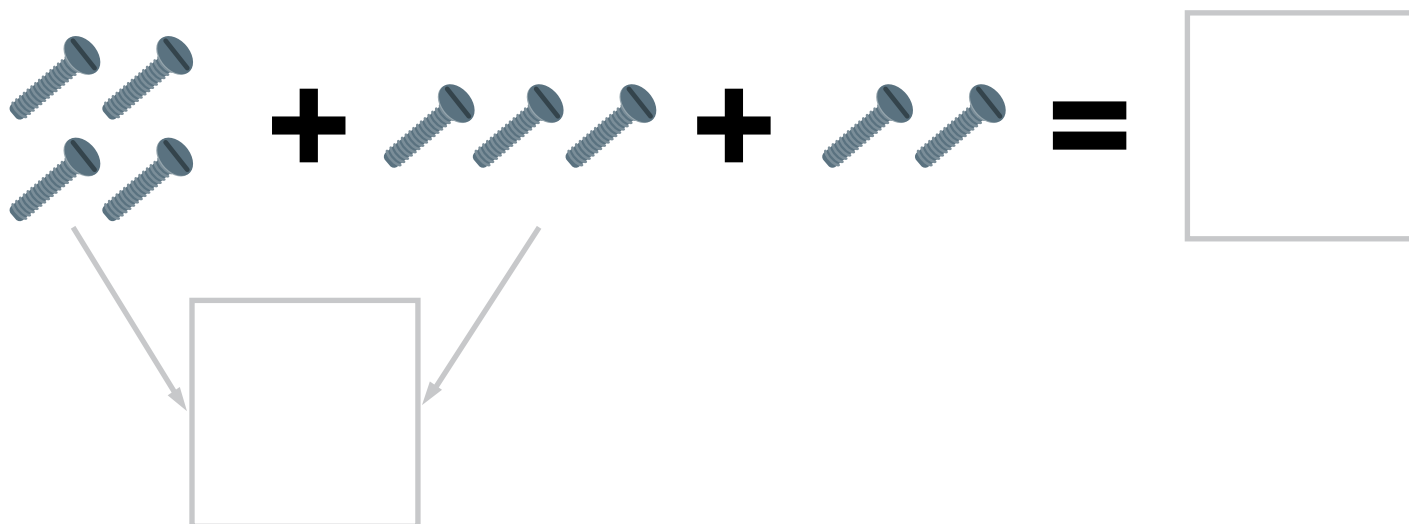
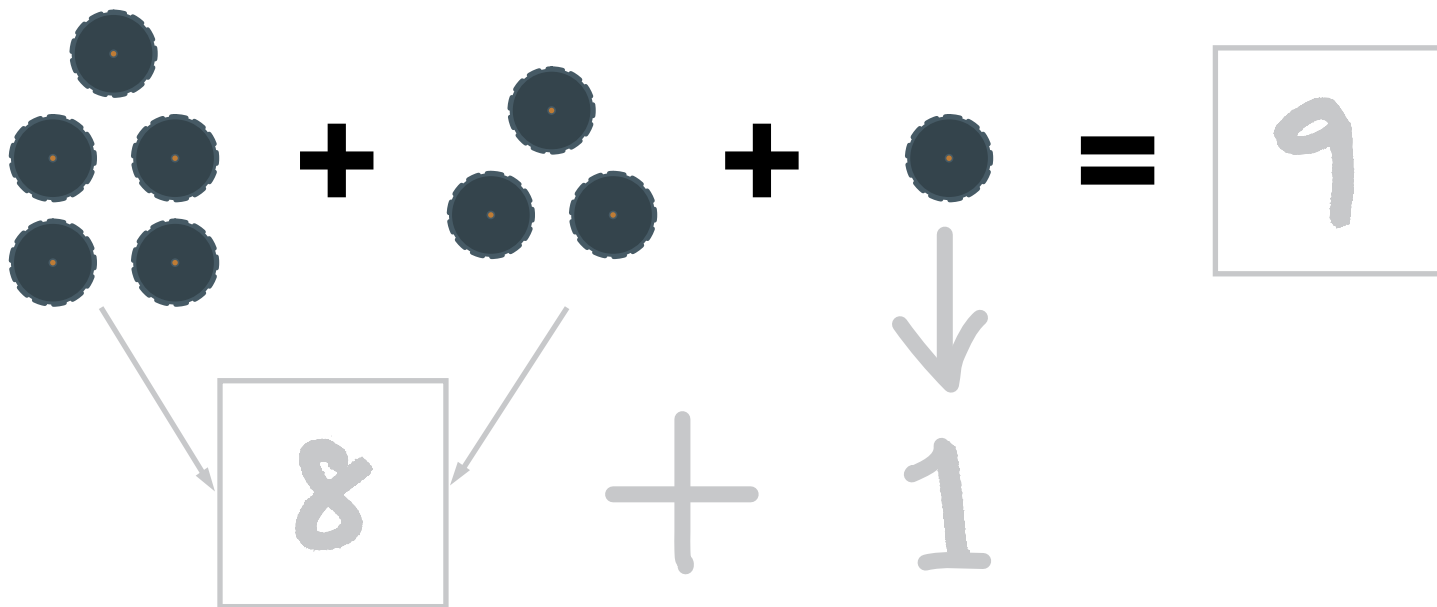


Find the missing number.

Write the number that completes the equation.



Adding in pieces: Add the first two numbers. Then, add the third number to that sum to find the total.



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