

Thursday 2<sup>nd</sup> July 2020

Place Value

# To be able to compare objects

Success criteria:

- ✓ I can use terms like “less than”, “more than” and “equal to”, as well as comparison symbols ( $<$ ,  $>$  and  $=$ ), to compare objects
- ✓ I can use reasoning to explain my responses when using terms like “less than”, “more than” and “equal to”, as well as comparison symbols ( $<$ ,  $>$  and  $=$ ), to compare objects

# To be able to compare objects

Starter:

Who has the most money? Explain your answer.



Abdul



Destiny

# To be able to compare objects

Starter:

Who has the most money? Explain your answer.



Abdul



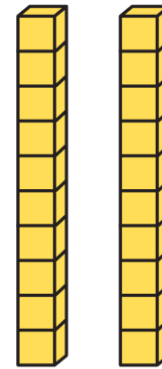
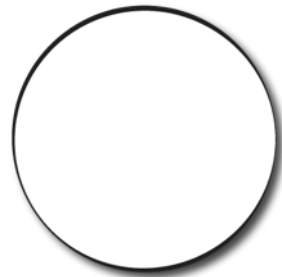
Destiny

Destiny has the most money as 30p is more than 16p.

# To be able to compare objects

Talking Time:

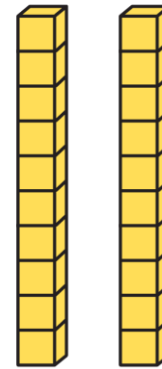
Which comparison symbol (<, > or =) should be used below?



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Talking Time:

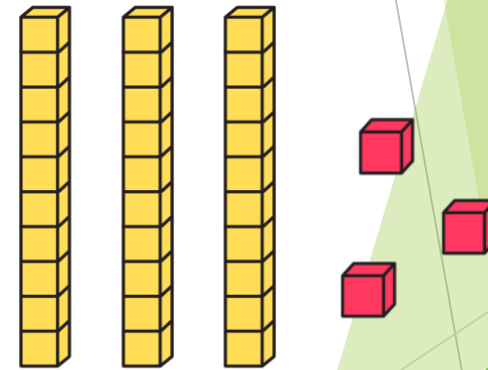
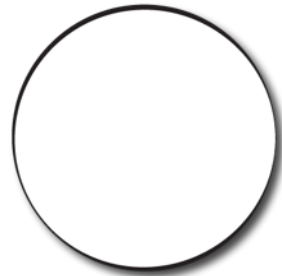
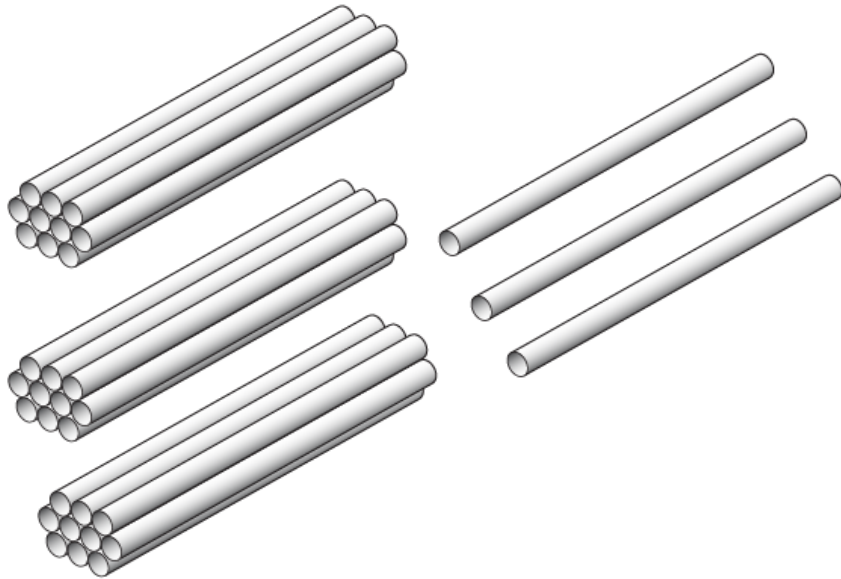
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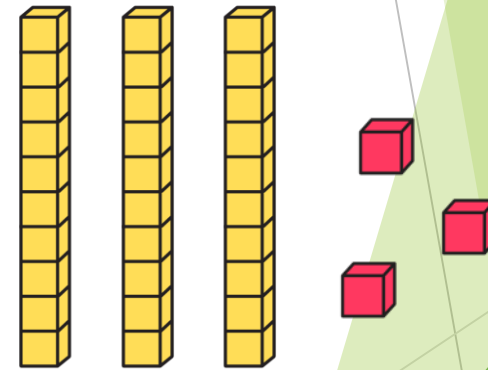
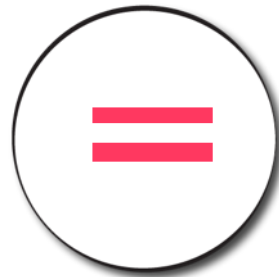
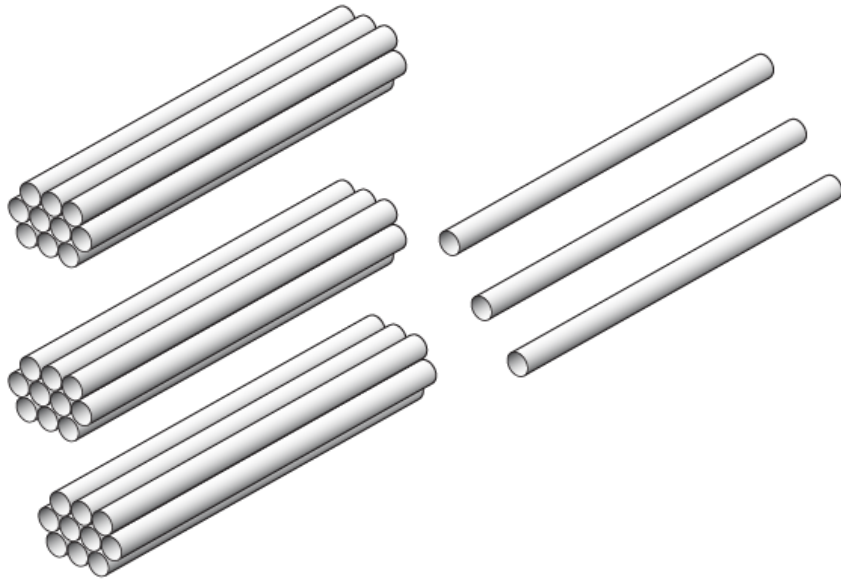
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Talking Time:

Which comparison symbol ( $<$ ,  $>$  or  $=$ ) should be used below?

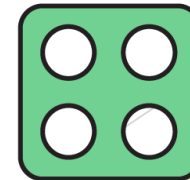
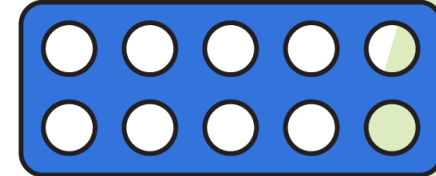
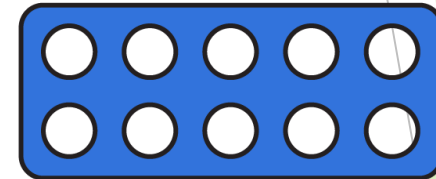
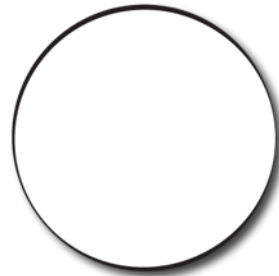
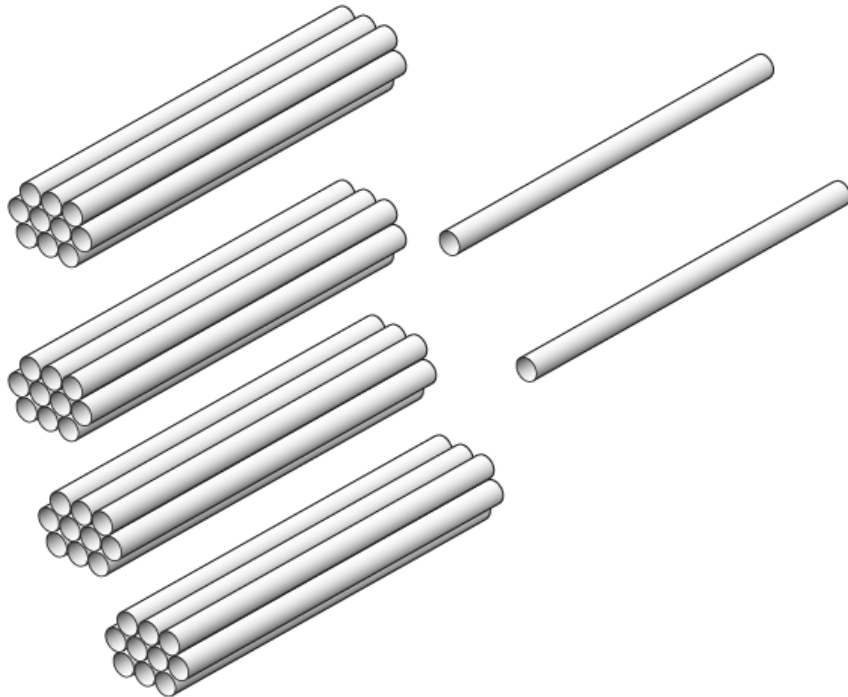




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## Talking Time:

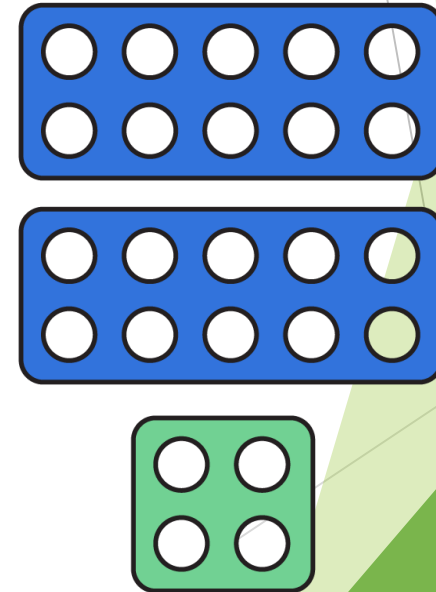
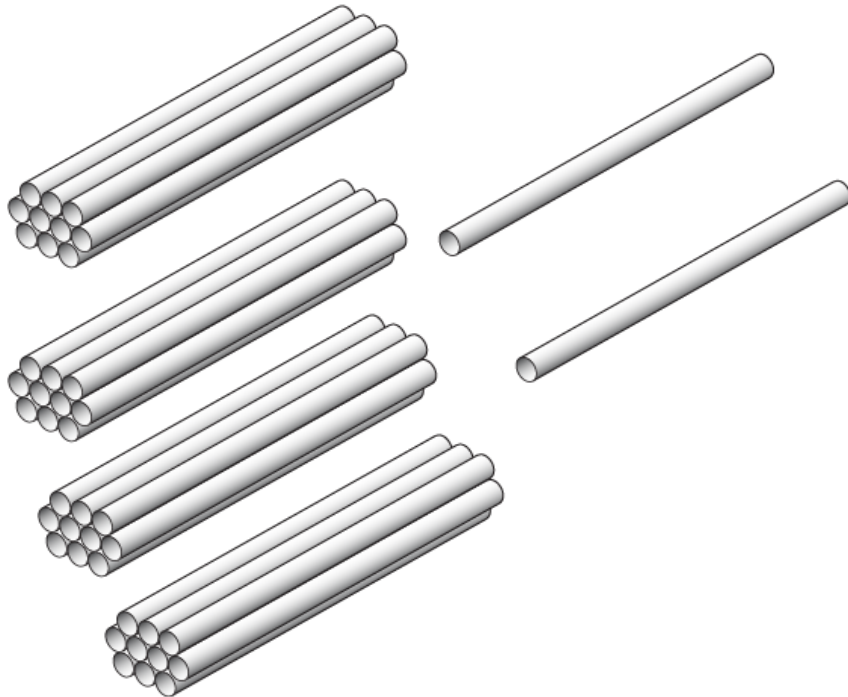
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## Talking Time:

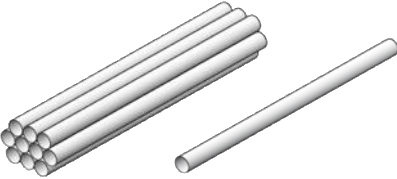
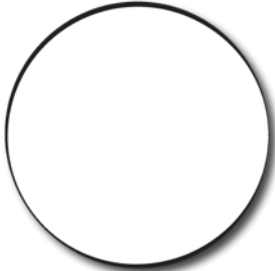
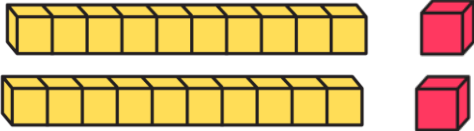

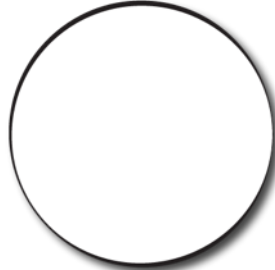
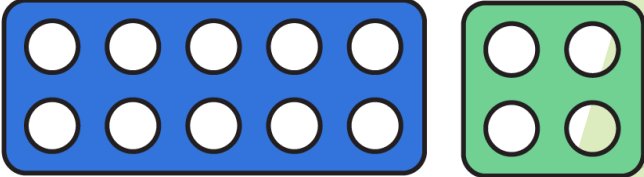

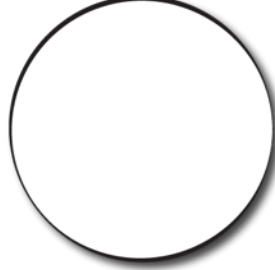
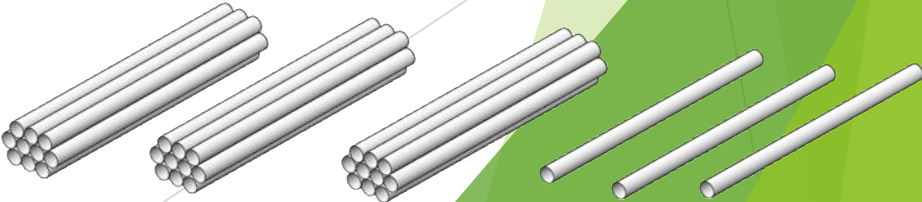
Which comparison symbol (<, > or =) should be used below?



# To be able to compare objects

## Activity 1:

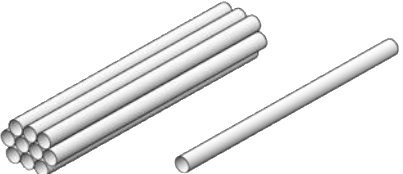

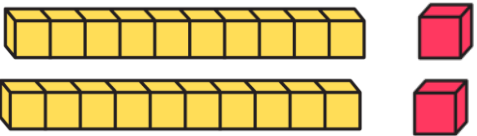


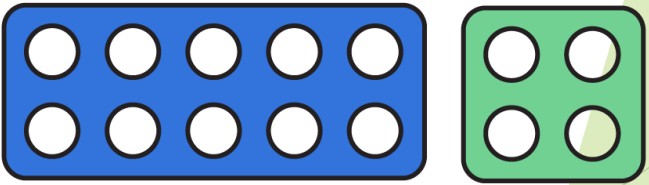


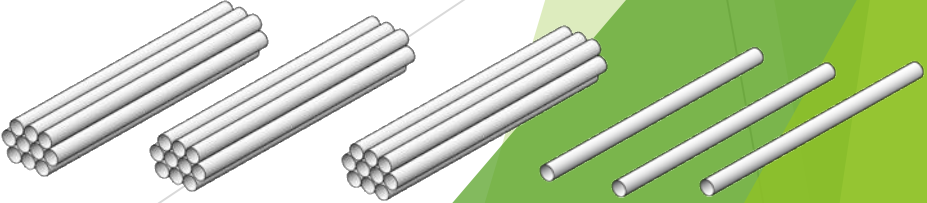
Which comparison symbols ( $<$ ,  $>$  or  $=$ ) should be used below?

# To be able to compare objects

## Activity 1:

Which comparison symbols ( $<$ ,  $>$  or  $=$ ) should be used below?

# To be able to compare objects

Talking Time:

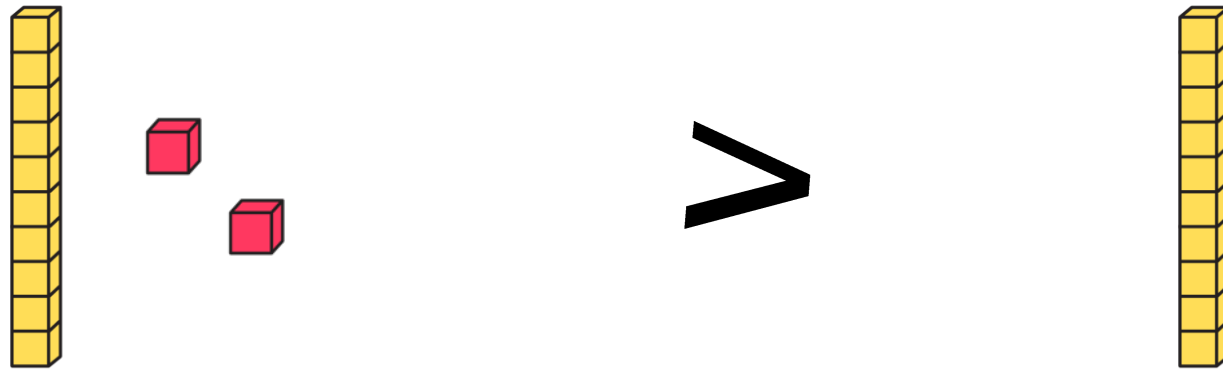
Use Base 10 pieces to show that 12 is greater than 10.

**>**

# To be able to compare objects

Talking Time:

Use Base 10 pieces to show that 12 is greater than 10.



# To be able to compare objects

Talking Time:

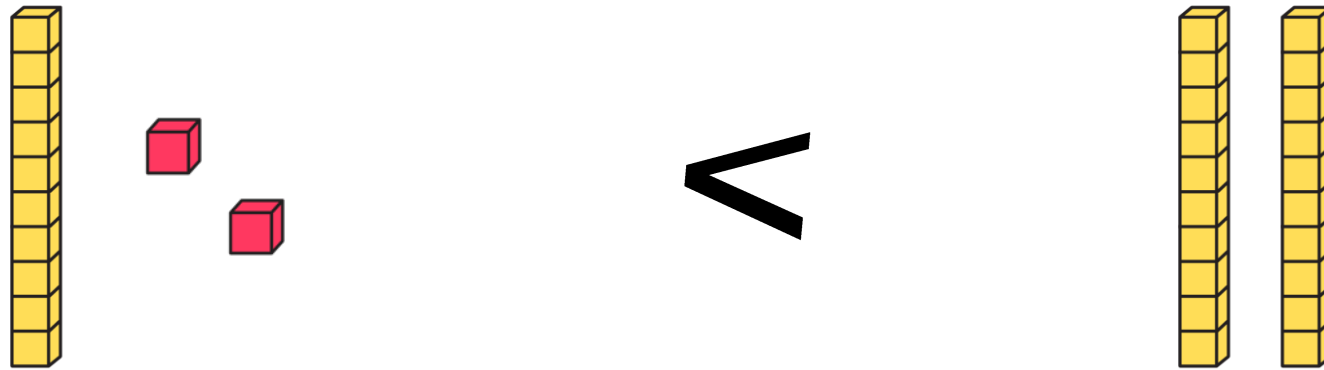
Use Base 10 pieces to show that 12 is less than 20.



# To be able to compare objects

Talking Time:

Use Base 10 pieces to show that 12 is less than 20.





# To be able to compare objects

Talking Time:

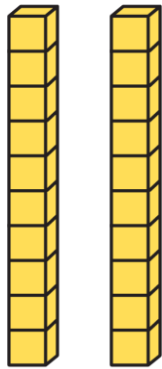
Use Base 10 pieces to show that 20 is equal to 2 tens.

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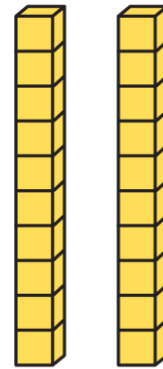
# To be able to compare objects

## Talking Time:

Use Base 10 pieces to show that 20 is equal to 2 tens.



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# To be able to compare objects

## Activity 2:

Use Base 10 pieces to show that:

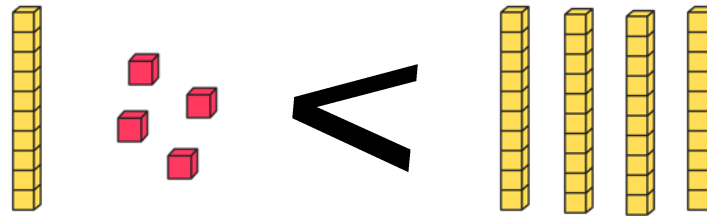
- fourteen is less than forty
- 33 is greater than 22
- 5 tens is equal to 50

# To be able to compare objects

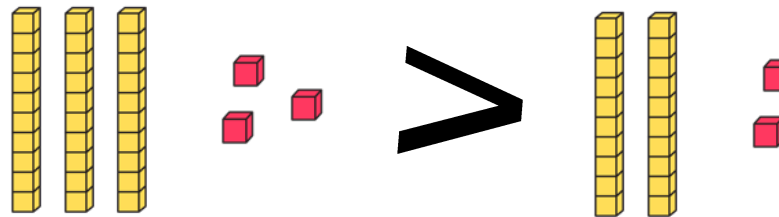
## Activity 2:

Use Base 10 pieces to show that:

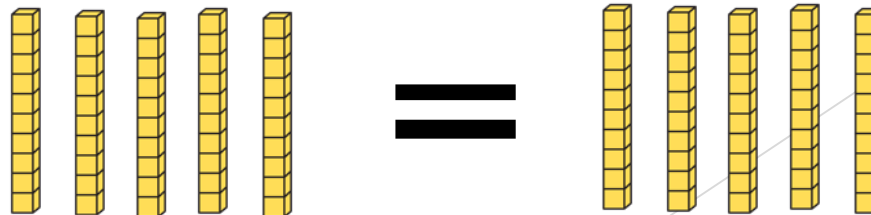
- fourteen is less than forty



- 33 is greater than 22



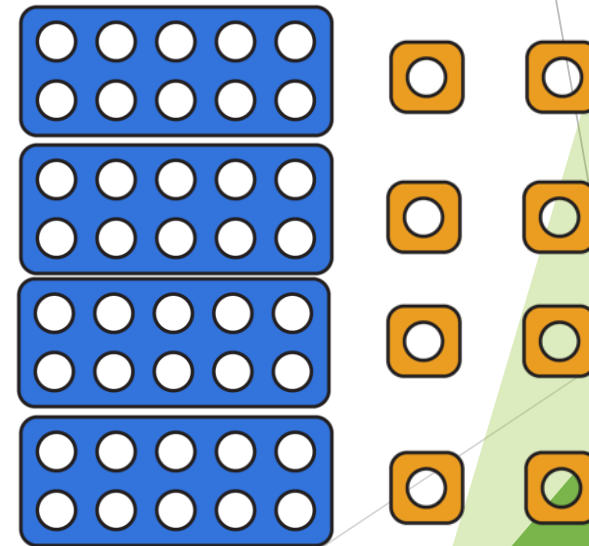
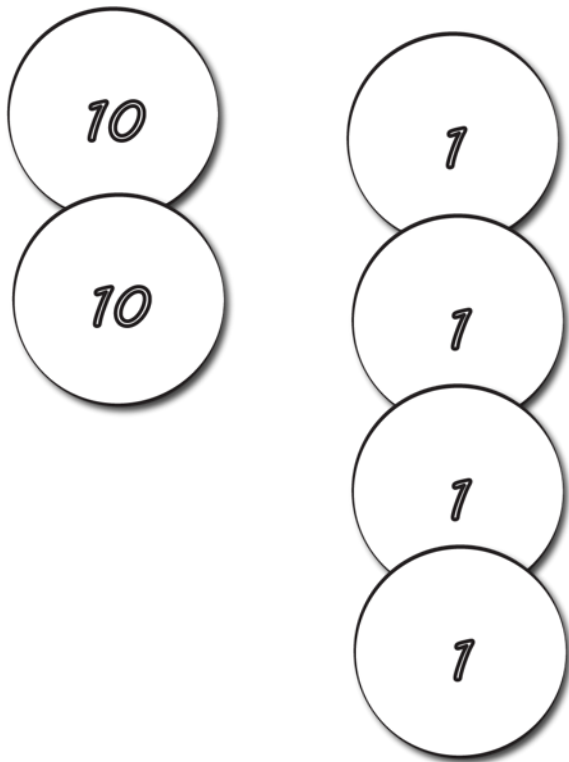
- 5 tens is equal to 50



# To be able to compare objects

## Activity 3:

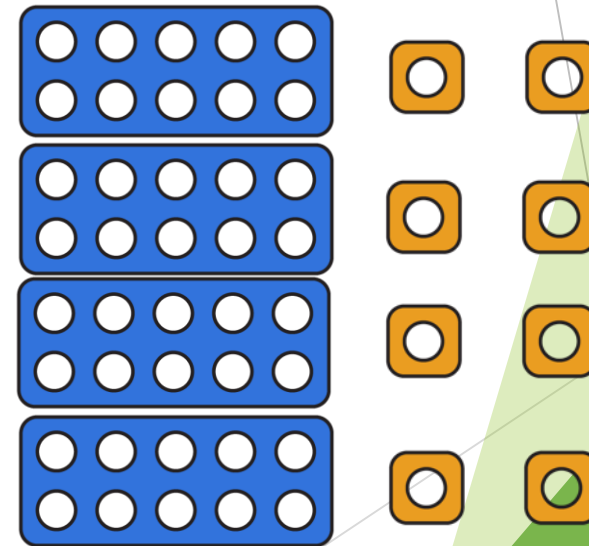
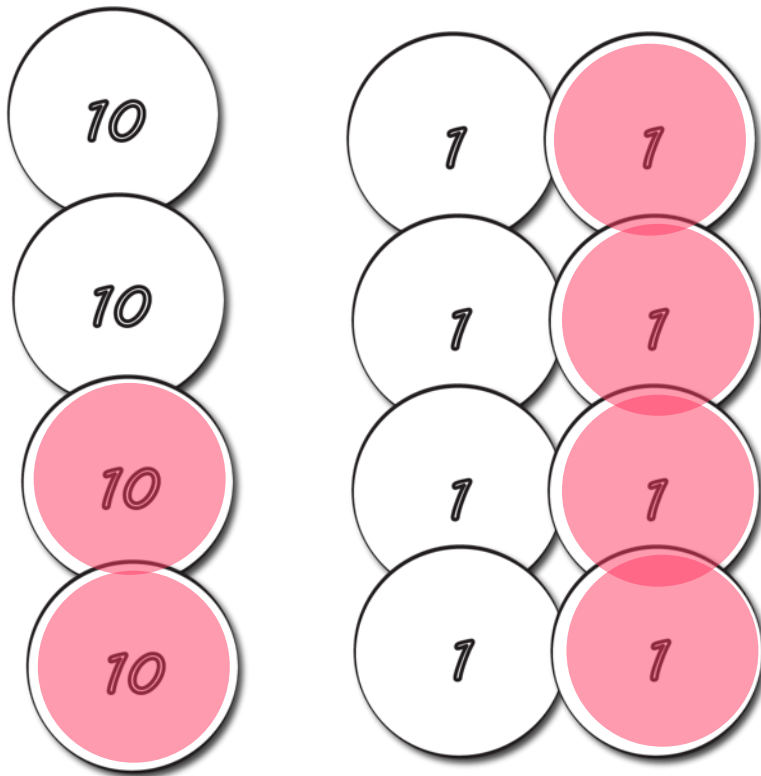
Add more counters so their representation matches the Numicon amount.



# To be able to compare objects

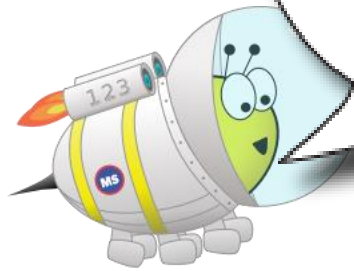
## Activity 3:

Add more counters so their representation matches the Numicon amount.

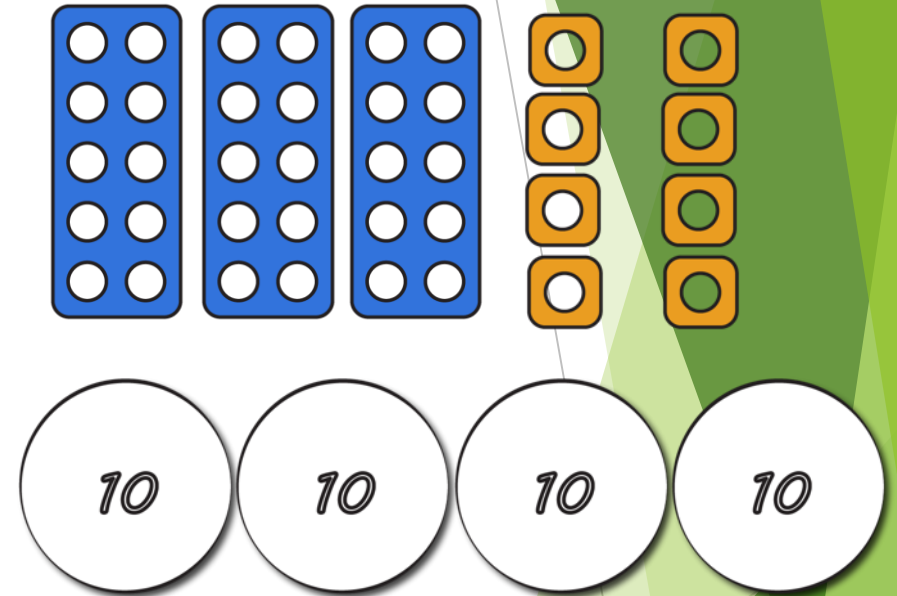


# To be able to compare objects

Evaluation:



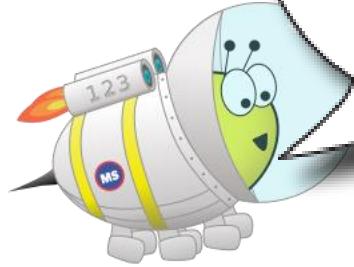
The Numicon representation is worth more as it uses more equipment.



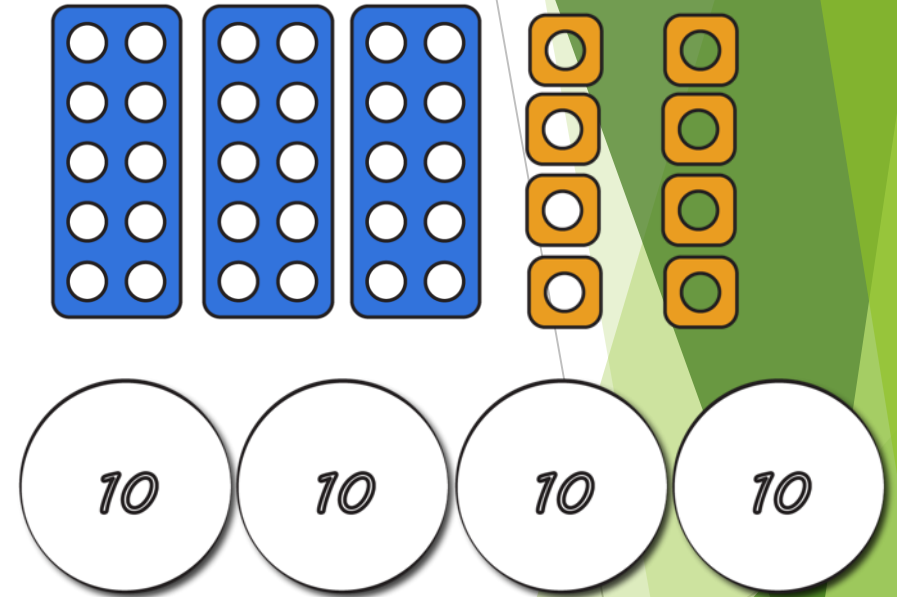
Do you agree with Astrobee?  
Explain your answer.

# To be able to compare objects

Evaluation:



The Numicon representation is worth more as it uses more equipment.



Astrobee is wrong - although the Numicon representation uses 11 pieces of equipment compared with the 4 counters used below, its value is 38 which is less than 40.



# To be able to compare objects

Success criteria:

- ✓ I can use terms like “less than”, “more than” and “equal to”, as well as comparison symbols ( $<$ ,  $>$  and  $=$ ), to compare objects
- ✓ I can use reasoning to explain my responses when using terms like “less than”, “more than” and “equal to”, as well as comparison symbols ( $<$ ,  $>$  and  $=$ ), to compare objects