



# Maths

Number and Place Value



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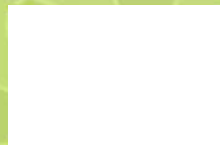
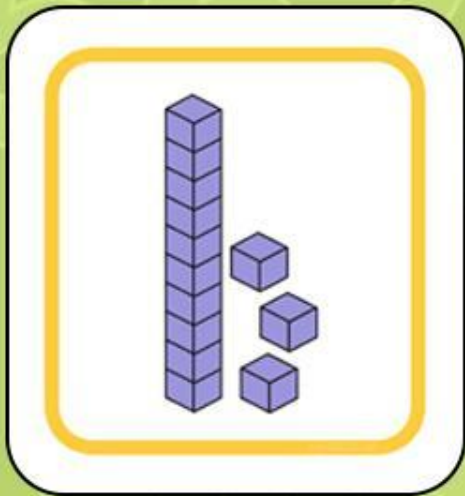


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# Greater Than and Less Than Representations



# Aim

- To compare numbers.

# Success Criteria

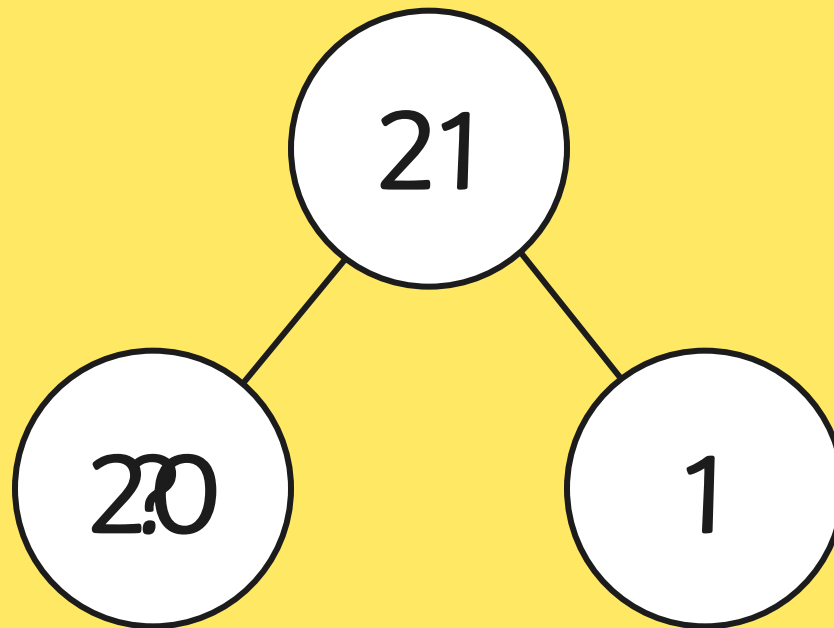
- I can compare two numbers.
- I can say which number is greater.
- I can say which number is less.
- I can use the symbols  $<$  and  $>$ .



# Remember It



What is the missing number? How do you know?



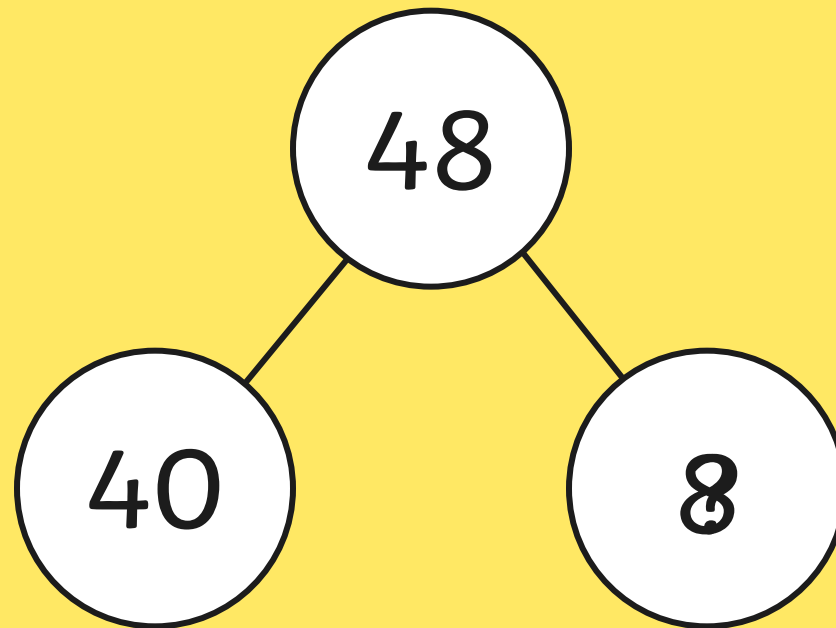
21 = two tens and one one



# Remember It



What is the missing number?



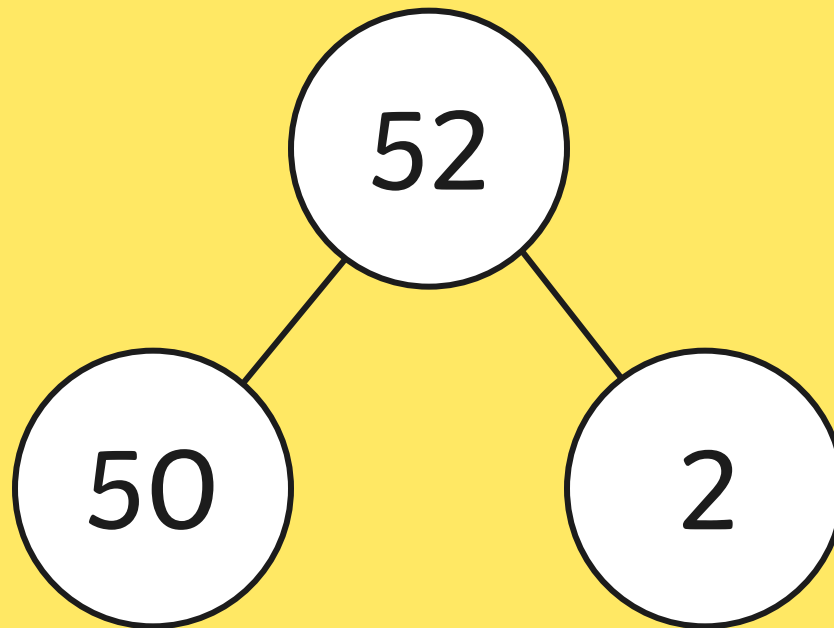
$48 =$  four tens and eight ones



# Remember It



What is the missing number? What can you use to help?



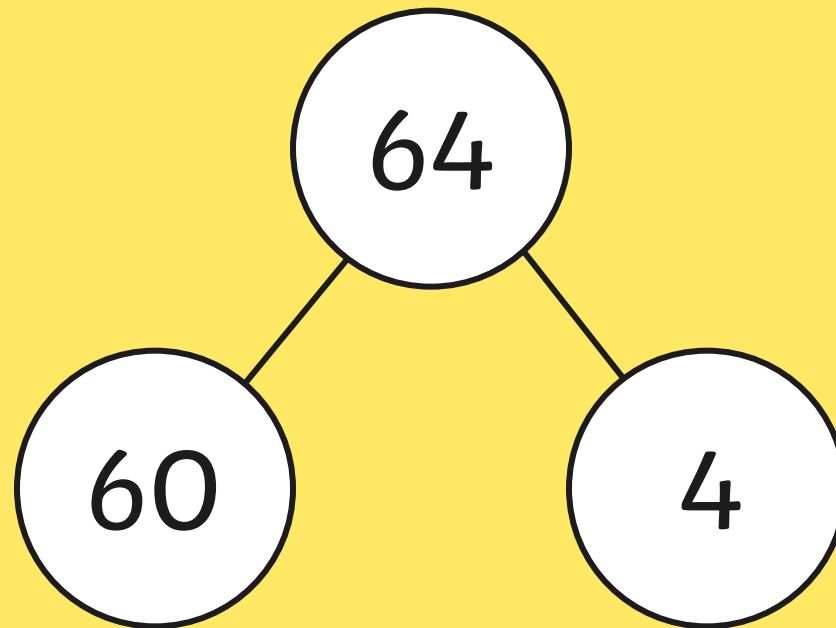
52 = fi? tens and two ones



# Remember It



What is the missing number?



64 = six tens and fo? ones



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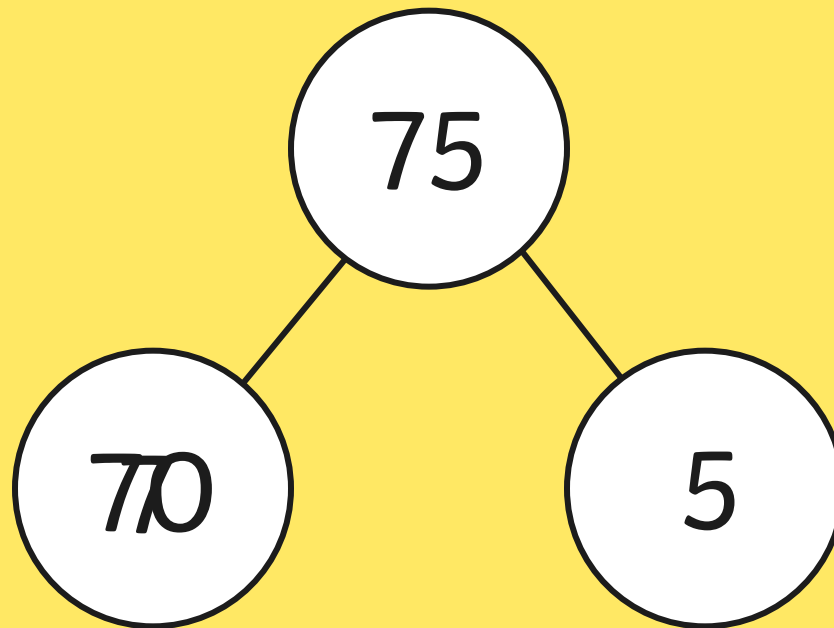
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# Remember It



Is this diagram correct? Prove it.



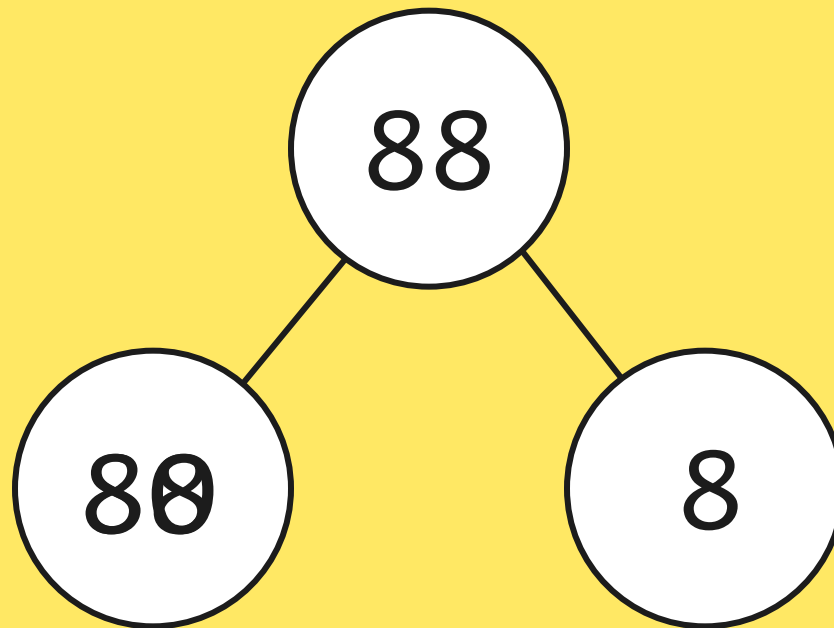
75 = seven tens and five ones



# Remember It



Is this diagram correct?



88 = eight tens and eight ones



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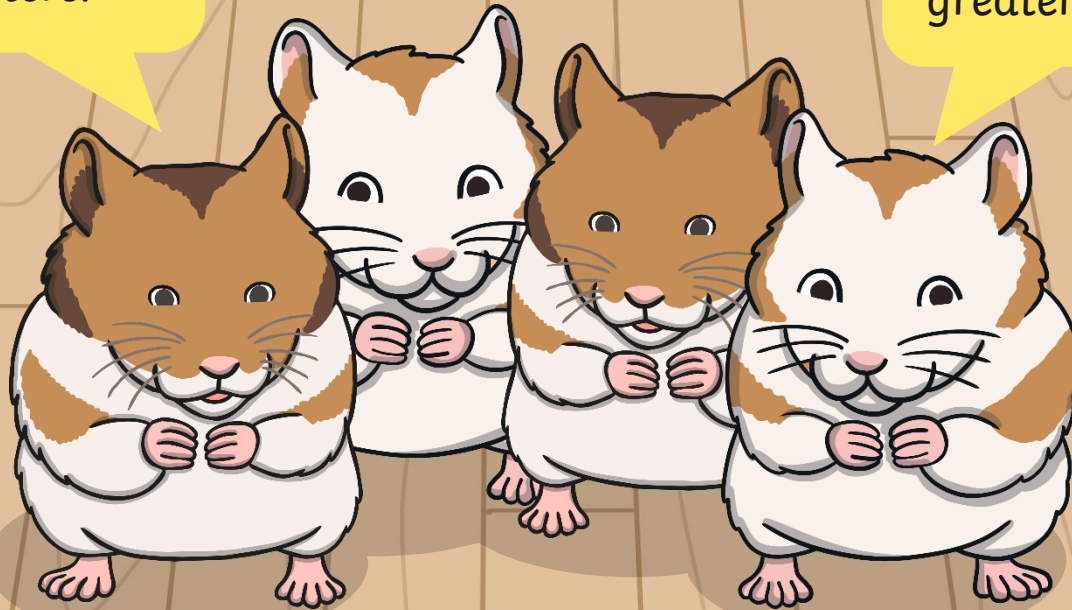
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# Hungry Hamsters

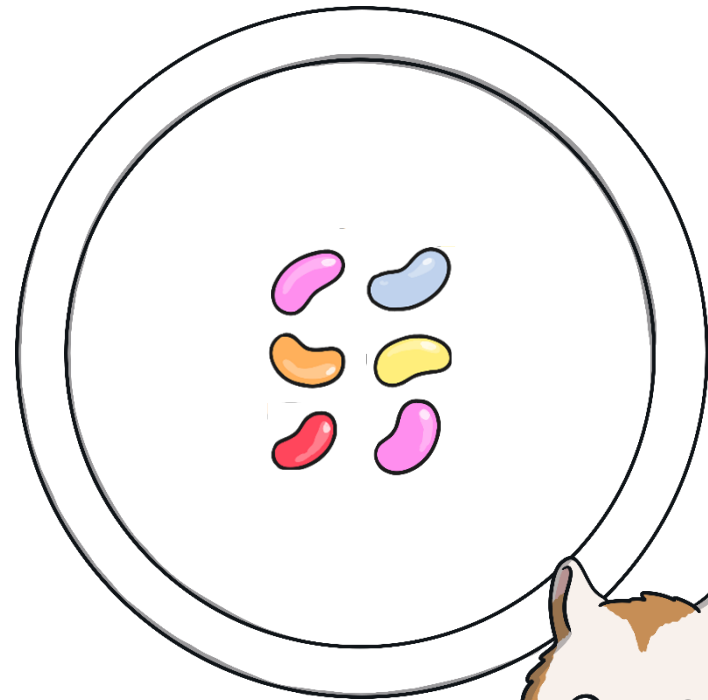
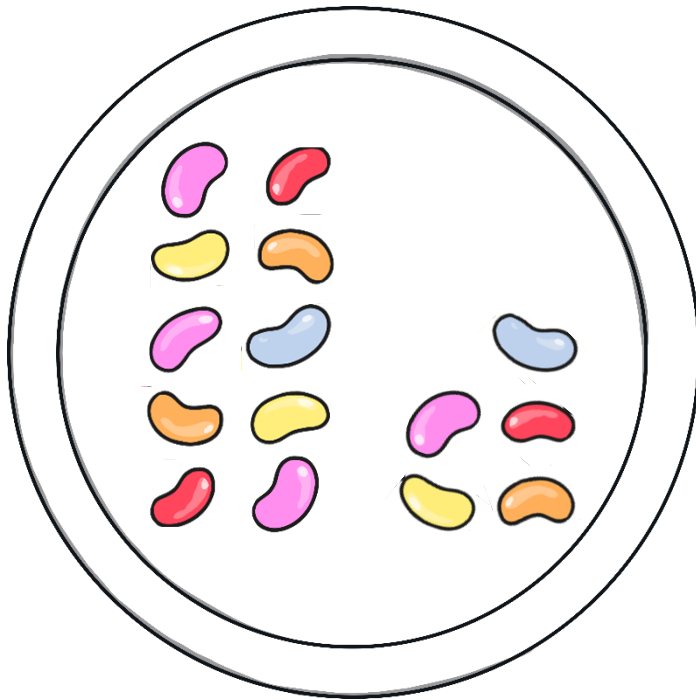


Hello. We're  
the hungry  
hamsters.

We always  
choose the  
greater amount.



# Hungry Hamsters



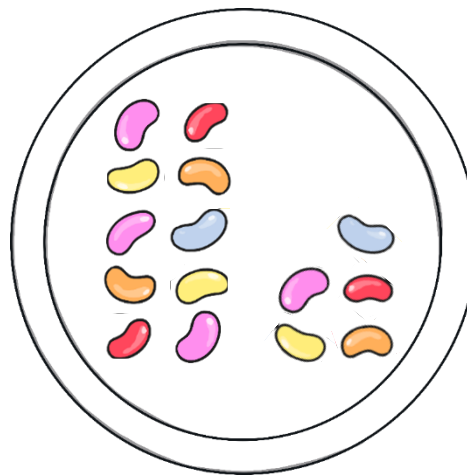
Which amount would I choose? Why?



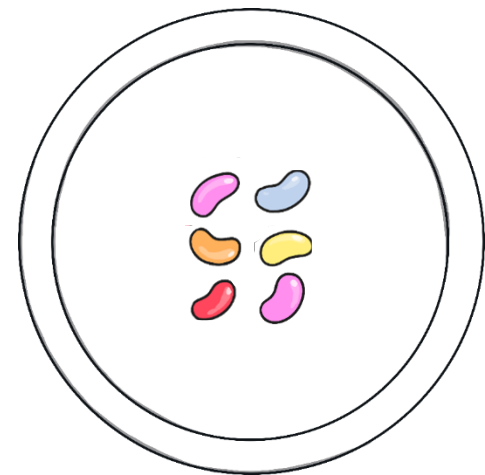
# Hungry Hamsters



15 is greater than 6.



Here are 15 beans.



Here are 6 beans.

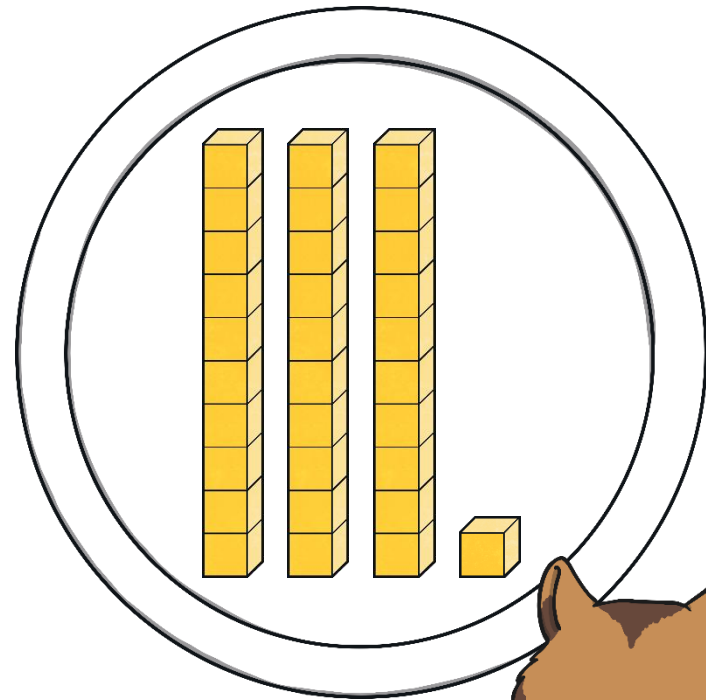
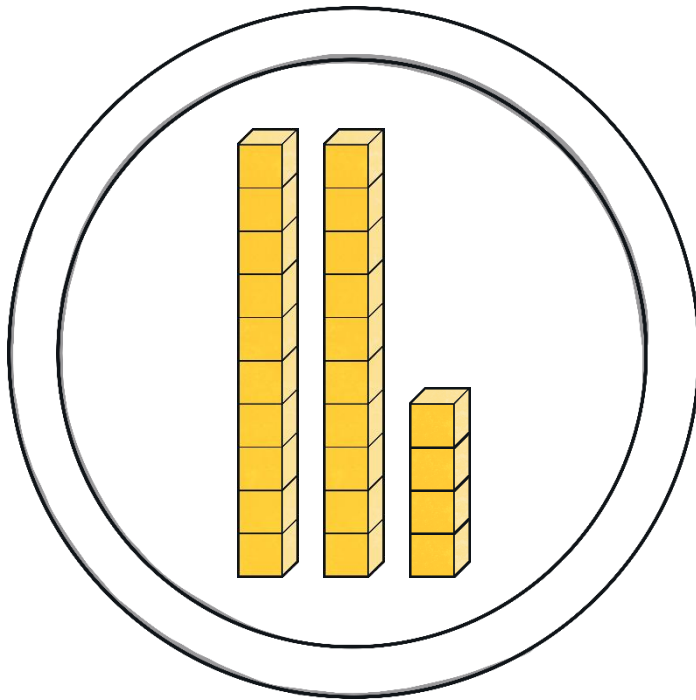


Here is 6.

Here is 15.



# Hungry Hamsters



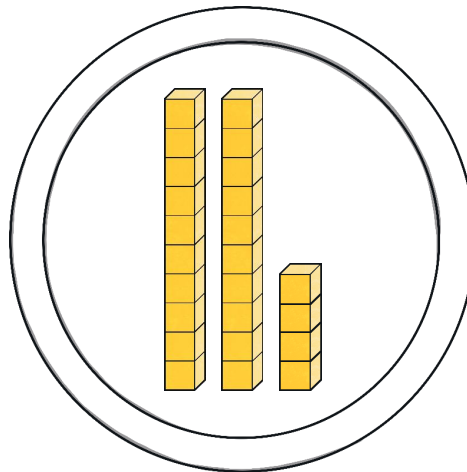
Which amount would I choose? Why?



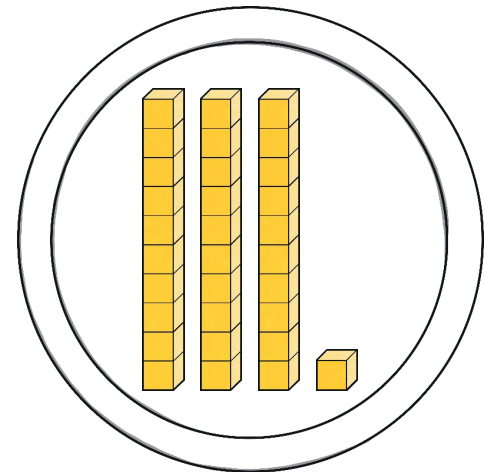
# Hungry Hamsters



31 is greater than 24.



Here is 24.



Here is 31.

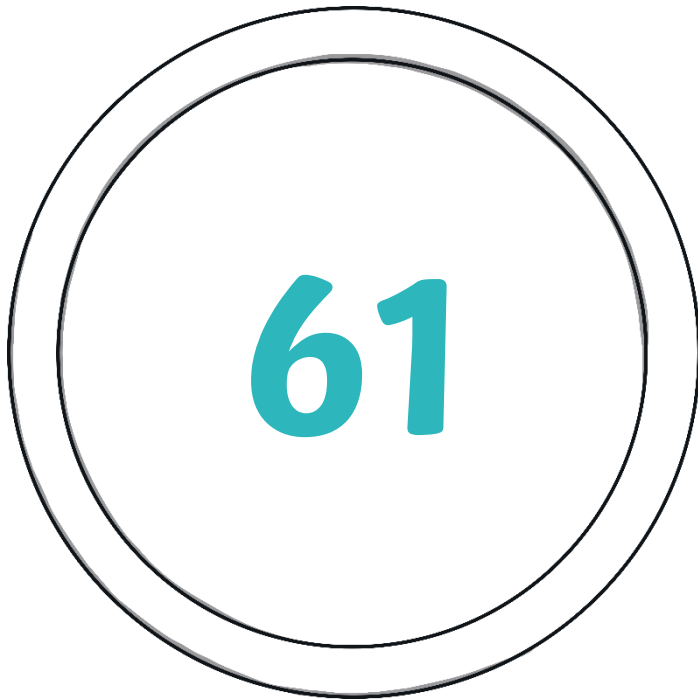
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

Here is 24.

Here is 31.



# Hungry Hamsters



Which amount would I choose? Why?

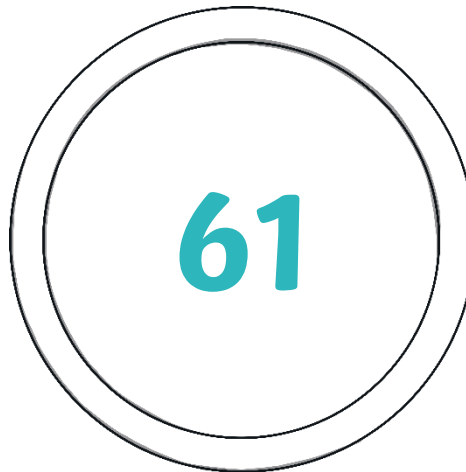




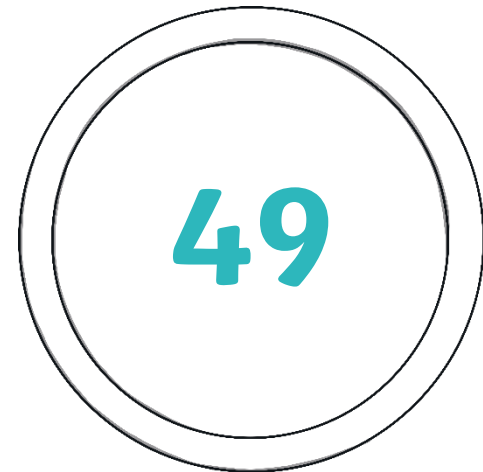
# Hungry Hamsters



61 is greater than 49.



Here is 61.



Here is 49.

41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

Here is 61.



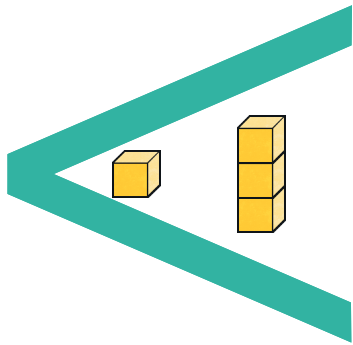
Here is 49.



# Hungry Hamsters

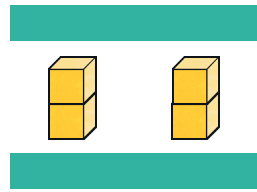


Observe how the different values sit within the different signs.



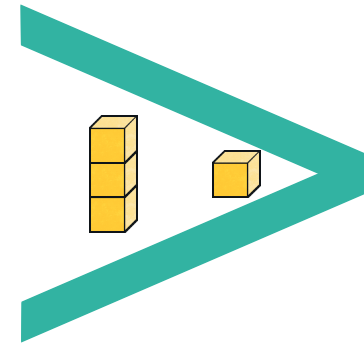
$$1 < 3$$

1 is less than 3.



$$2 = 2$$

2 is equal to 2.



$$3 > 1$$

3 is greater than 1.

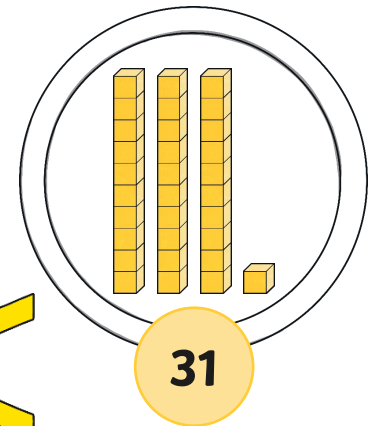
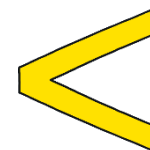
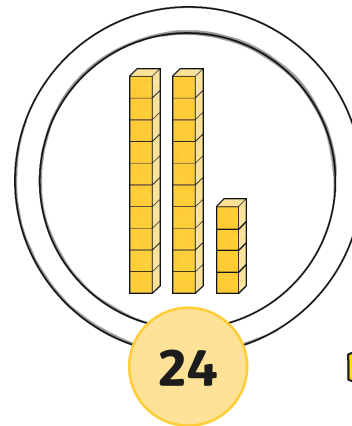
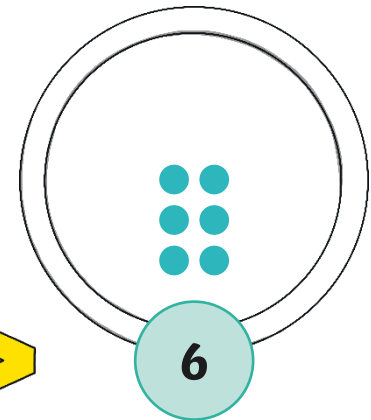
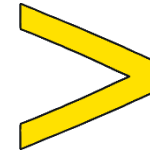
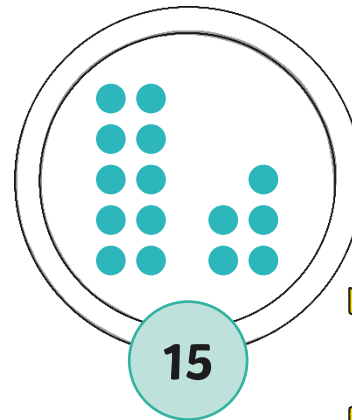




# Hungry Hamsters



The hungry hamsters will always choose the greater number.



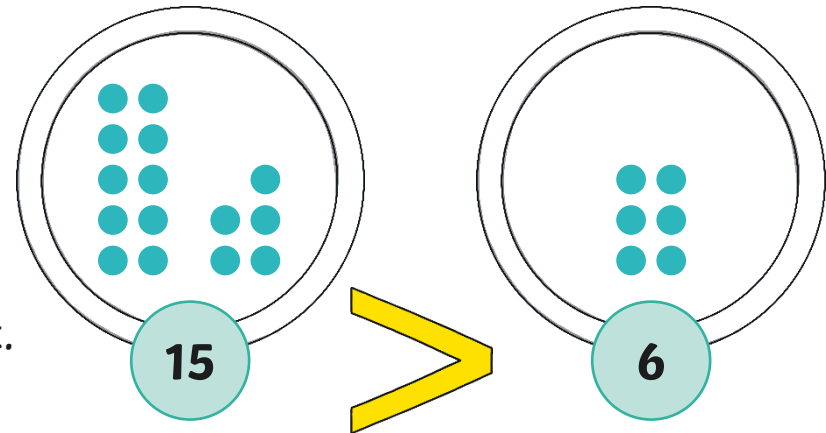


# Hungry Hamsters

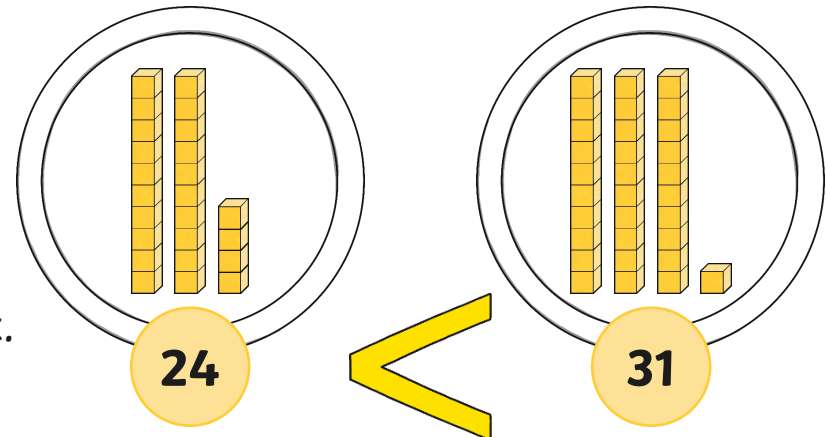
Remember, the hungry hamsters always choose the greater amount.



Here, the hungry hamsters are saying the plate on the left is **greater than** the plate on the right.



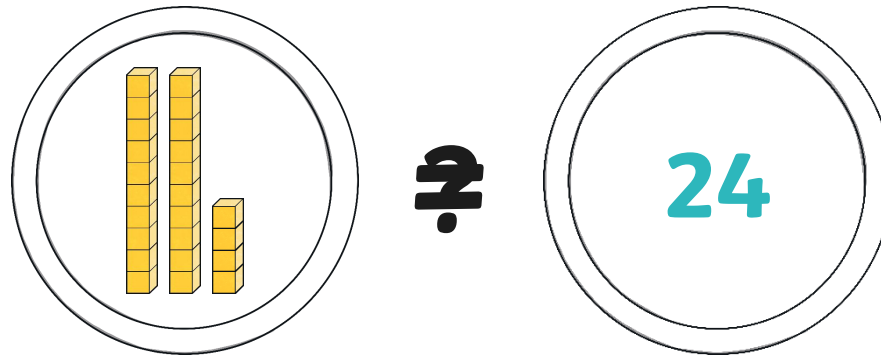
Here, the hungry hamsters are saying the plate on the left is **less than** the plate on the right.



# Hungry Hamsters



What happens if the plates have the same value?



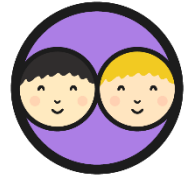
The numbers on these plates look different, but they have the same value. This means that they are equal.

The hungry hamsters wouldn't choose one over the other, so the symbols  $<$  and  $>$  cannot be used.

Instead we would use  $=$  to show that the two numbers are equal.

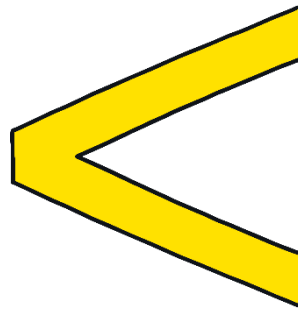
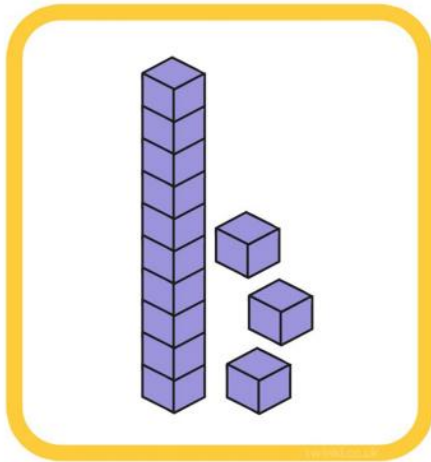


# Feeding the Hungry Hamsters

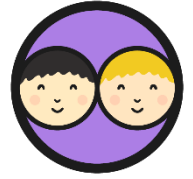


Pick a card at random and lay it down in front of you.  
Pick another card at random.

Which card should go in the middle to compare them?

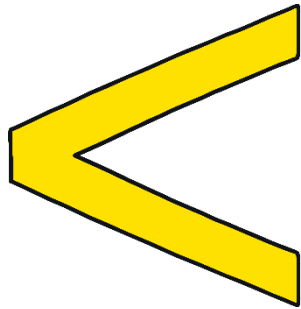


# Feeding the Hungry Hamsters

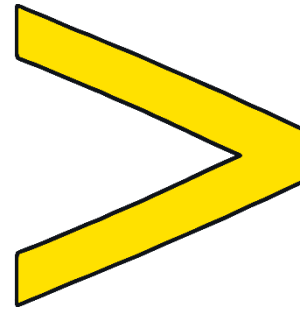


Pick a card at random and lay it down in front of you.  
Pick another card at random.

Which card should go in the middle to compare them?



less than



greater than



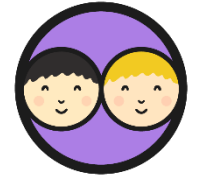
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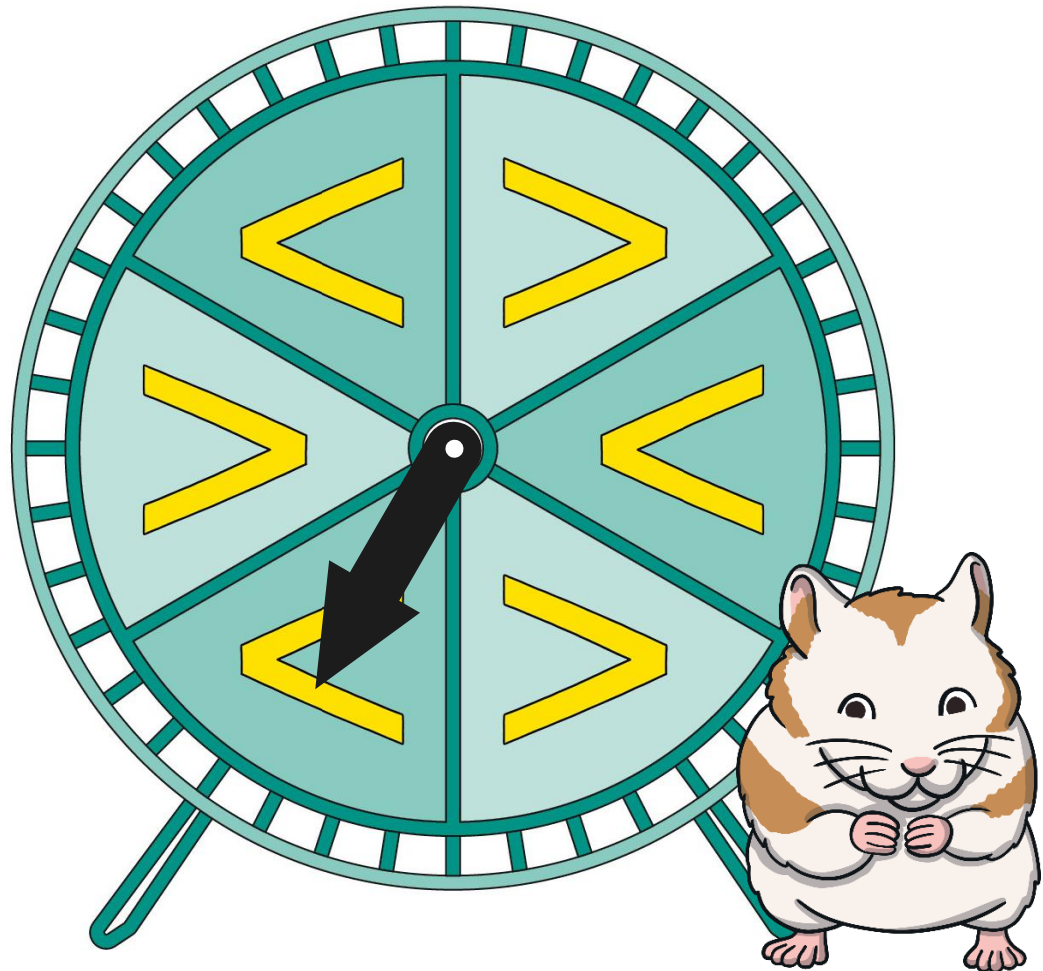


# Hamster Wheel



## Instructions

- Work in pairs.
- Choose a number card.
- Spin the spinner.
- If the spinner lands on '**greater than**', find numbers **greater than** your chosen number.
- If the spinner lands on '**less than**', find numbers **less than** your chosen number.
- The player with the most correct cards wins the round!



## Diving into Mastery

Dive in by completing your own activity!



### Greater Than and Less Than Representations



Match the numbers below to the correct box. You can only use each number once.



21   19   22   26

< 24

 =

> 25

> 

If you could use the numbers more than once, which numbers could go inside more than one box?

What other numbers could go in each box?



the

the box?

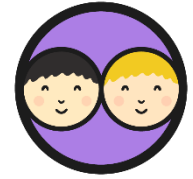
tions

wers?

ner



# Hamster Race



Can you complete the challenges and race the hungry hamsters to the finish?

## Hungry Hamster Race

**Start**

Can you say a number greater than 10?

Which one would the hungry hamsters eat?  
**12 or 21**

Can you say a number less than 20?

Which one would the hungry hamsters eat?  
**30 or 29**

The hungry hamsters ate the number 43. What could the other number have been?

**Miss a go.**

30 is greater than 40. True or false?

**Finish!**

Which one would the hungry hamsters eat?  
**45 or 44**

**Miss a go.**

Which one would the hungry hamsters eat?  
**31 or 32**

The hungry hamsters left the number 56. What number could they have eaten?

**Miss a go.**

Which one would the hungry hamsters eat?  
**72 or 71**

**Can you race the hungry hamsters and complete the challenges?**

**Miss a go.**

Can you say a number greater than 69?

Which one would the hungry hamsters eat?  
**59 or 61**

The hungry hamsters ate the number 52. What could the other number have been?

The hungry hamsters left the number 32. What number could they have eaten?

**Miss a go.**

Which one would the hungry hamsters eat?  
**38 or 48**

45 is greater than 49. True or false?

Can you say a number less than 70?

**Miss a go.**

The hungry hamsters left the number 72. What number could they have eaten?

The hungry hamsters ate the number 61. What could the other number have been?

**Miss a go.**

The hungry hamsters ate the number 29. What could the other number have been?



# Aim



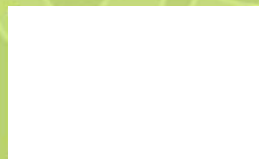
- To compare numbers.

# Success Criteria

- I can compare two numbers.
- I can say which number is greater.
- I can say which number is less.
- I can use the symbols  $<$  and  $>$ .



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991 6789 78 096  
8562 853 2234  
309 31 238 948  
9 5698 435 -31  
63 567 892 2



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