Maths

Number and Place Value

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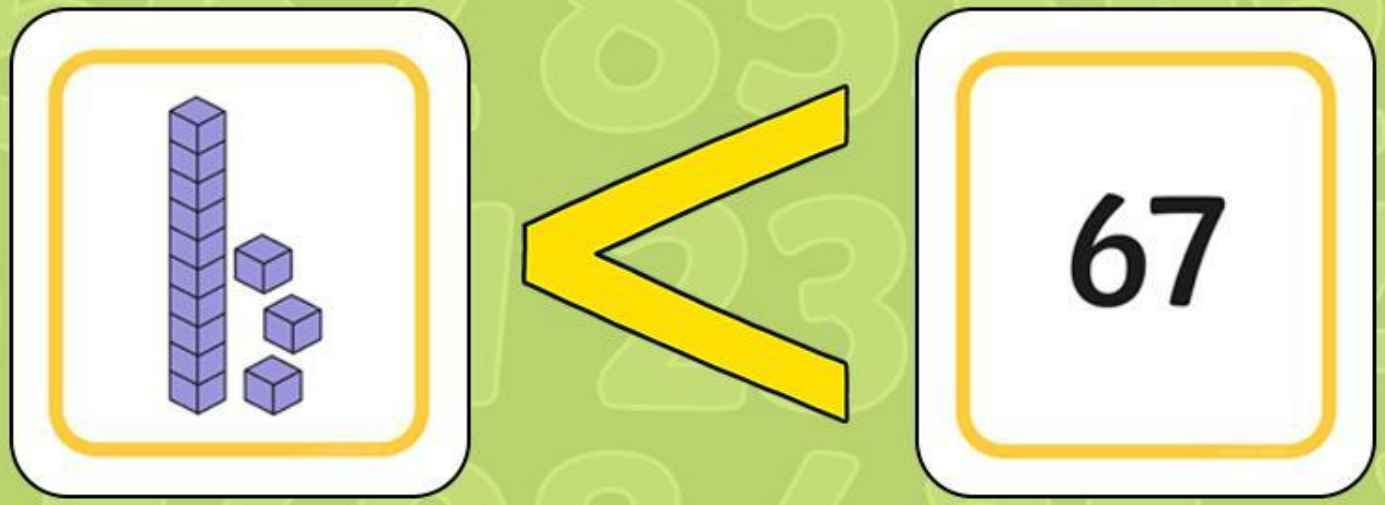
Greater Than and Less Than Representations



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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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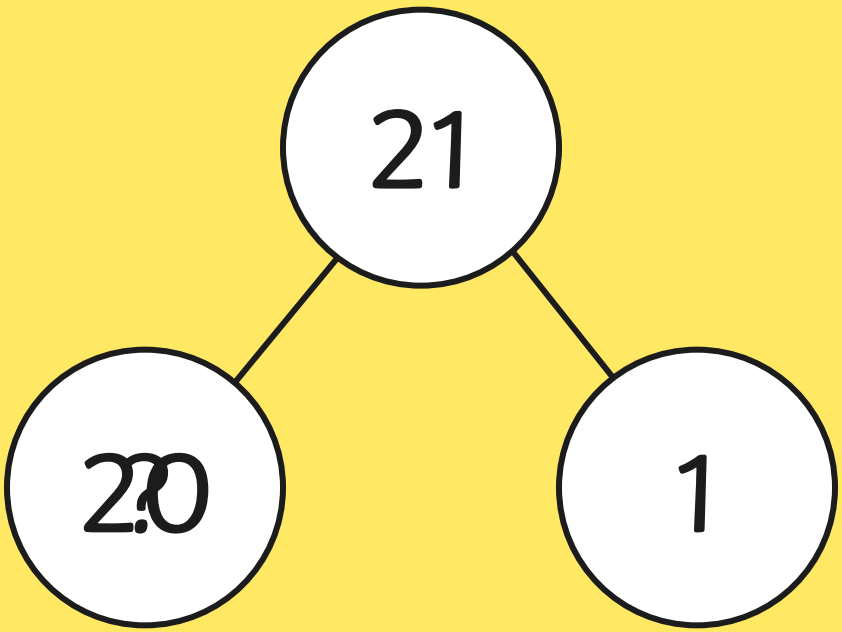
Remember It

What is the missing number? How do you know?



21 = two tens and one one

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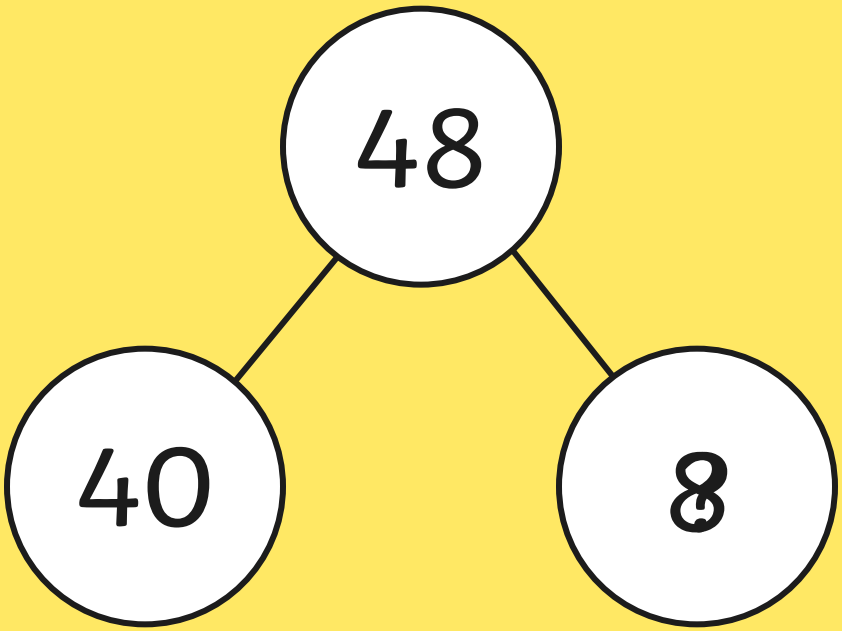
Remember It

What is the missing number?



48 = four tens and eight ones

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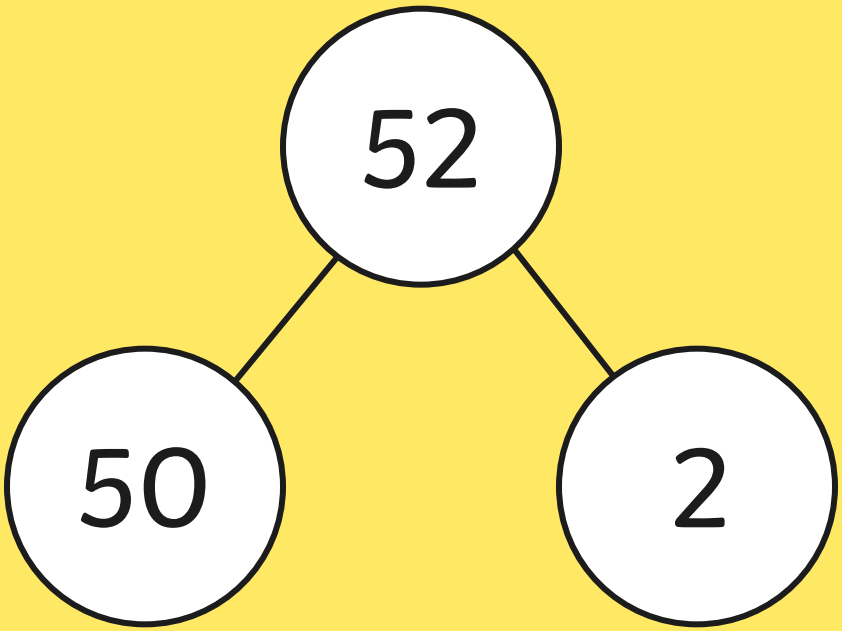
Remember It

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



52 = five tens and two ones

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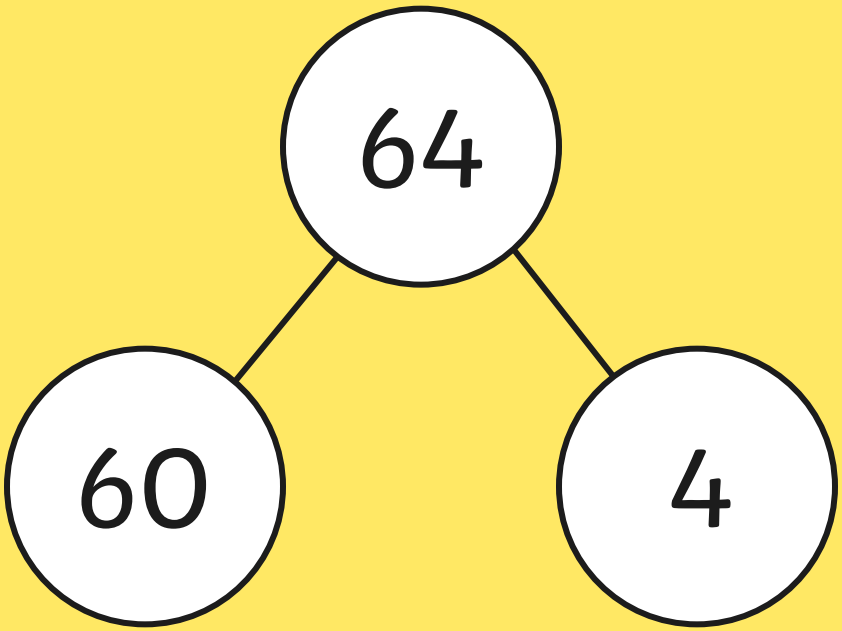
Remember It

What is the missing number?



64 = six tens and four ones

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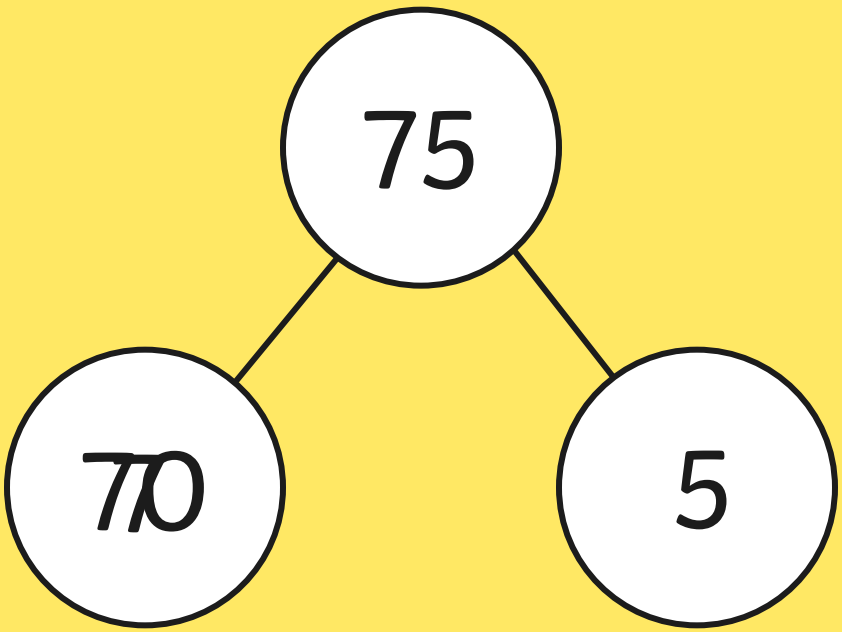
Remember It

Is this diagram correct? Prove it.



75 = seven tens and five ones

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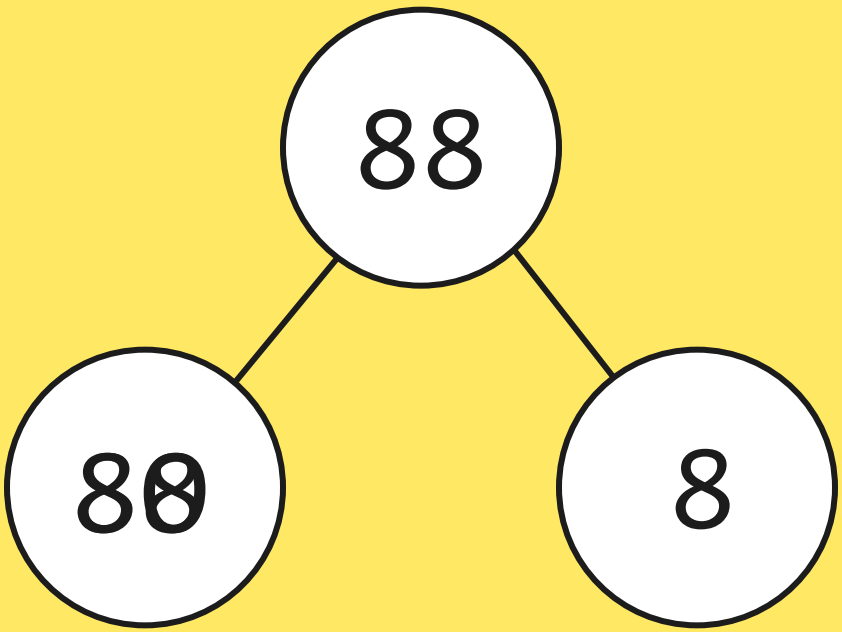
Remember It

Is this diagram correct?



88 = eight tens and eight ones

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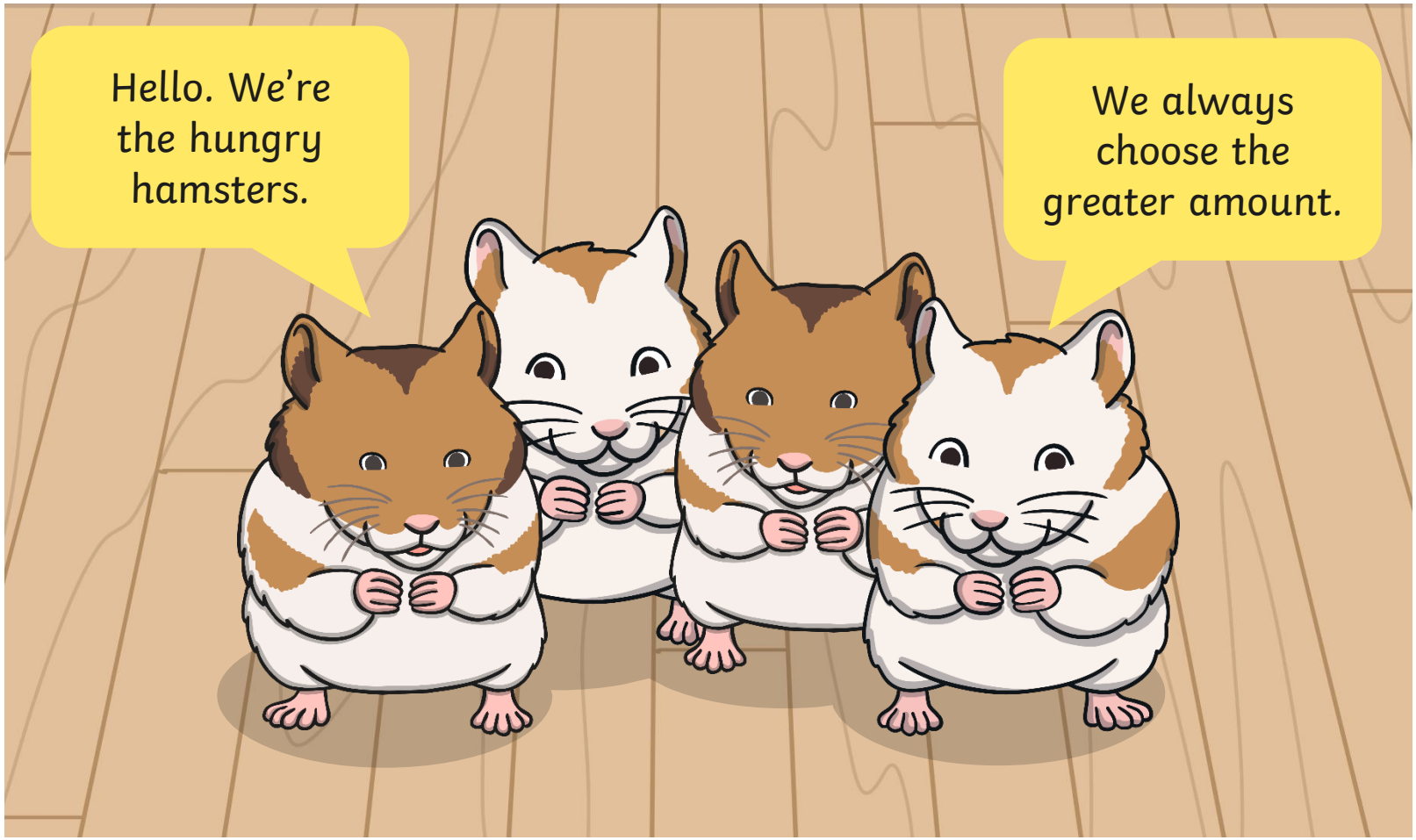
Hungry Hamsters



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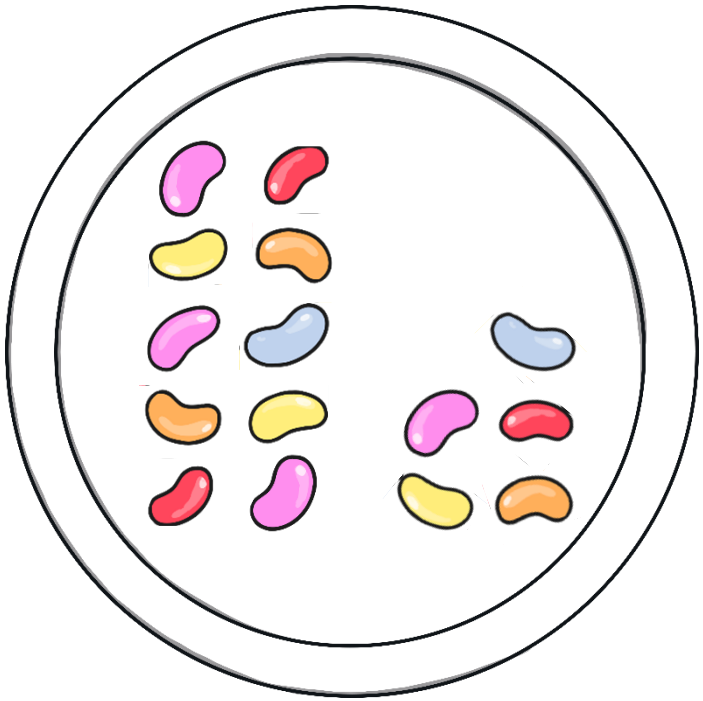
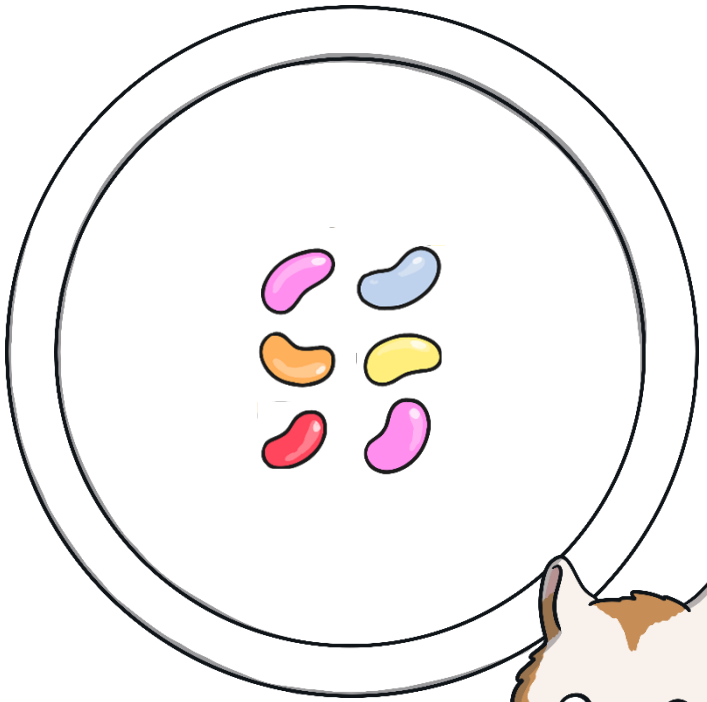
Hungry Hamsters

Whole Class





Which amount would I choose? Why?

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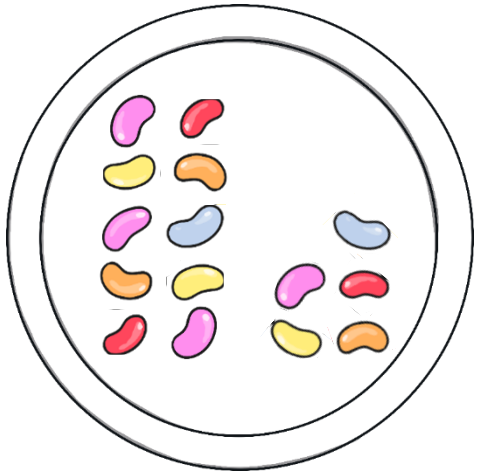
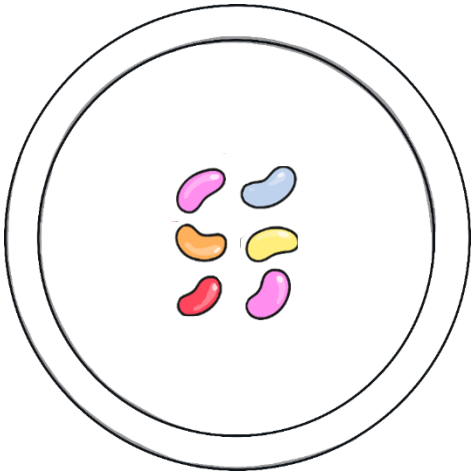
Hungry Hamsters

Whole Class

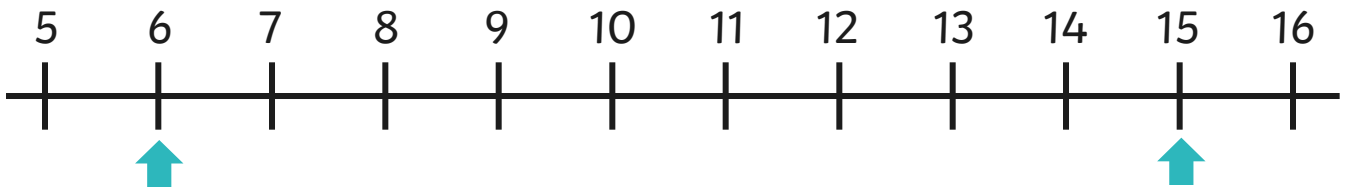
15 is greater than 6.



Here are 15 beans.



Here are 6 beans.



Here is 6.

Here is 15.

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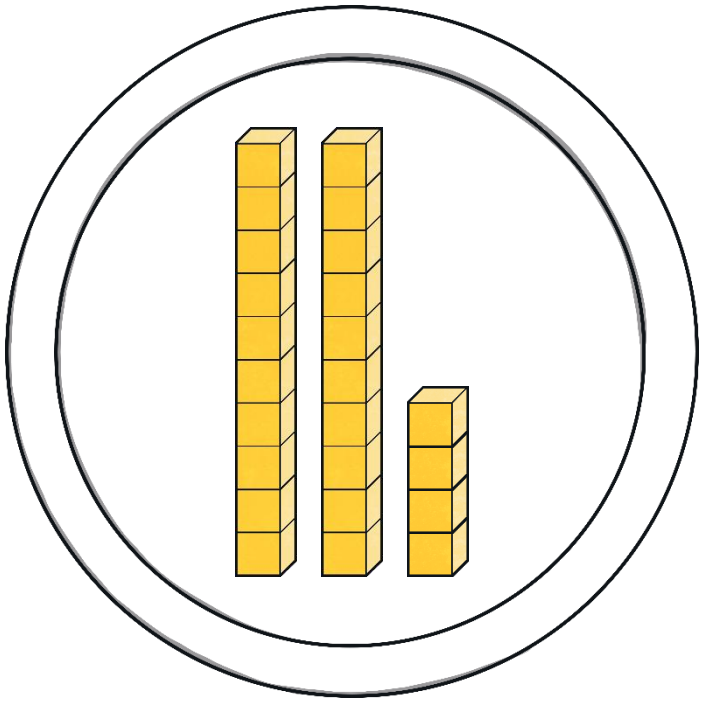
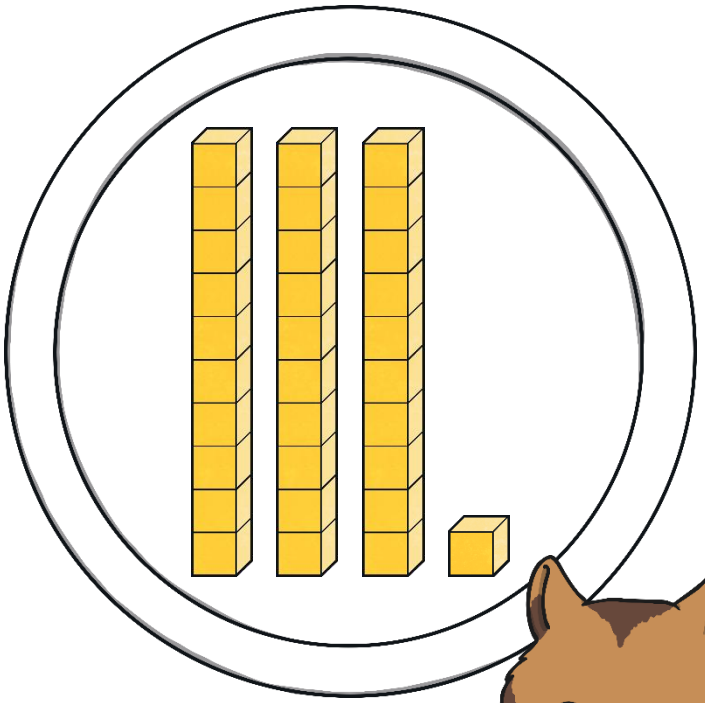
Hungry Hamsters





Which amount would I choose? Why?

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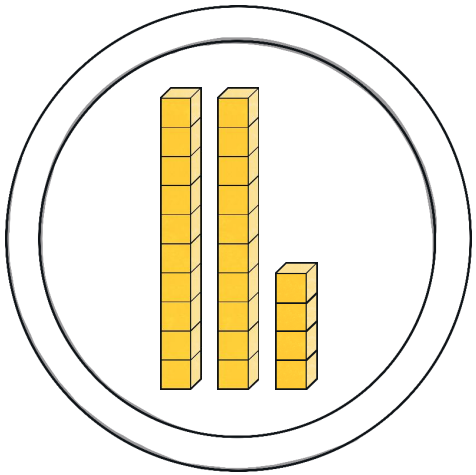
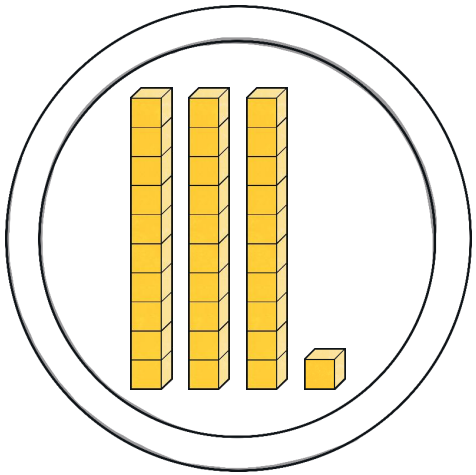
Hungry Hamsters

Whole Class

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
Here is 24. →			24	25	26	27	28	29	30
Here is 31. →	31	32	33	34	35	36	37	38	39	40

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Hungry Hamsters

Whole Class

61

49

Which amount would I choose? Why?

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Hungry Hamsters

61 is greater than 49.

61

Here is 61.

49

Here is 49.

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

Here is 49.

Here is 61.

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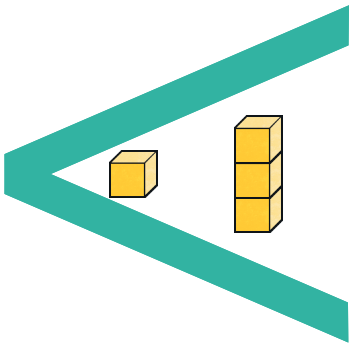
Hungry Hamsters

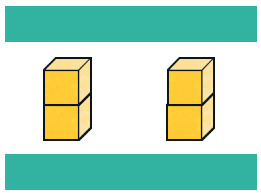
Whole Class

Observe how the different values sit within the different signs.



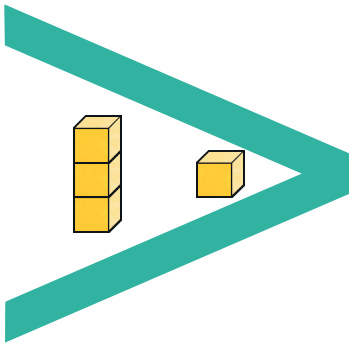
1 < 3

1 is less than 3.



2 = 2

2 is equal to 2.



3 > 1

3 is greater than 1.

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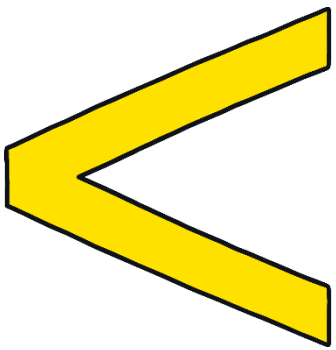
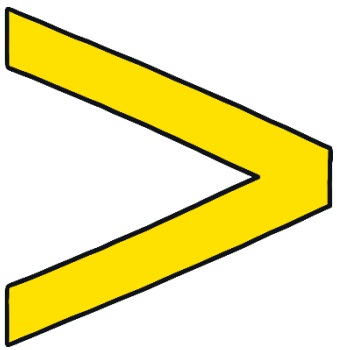
Hungry Hamsters

Look at the signs.



less than



greater than

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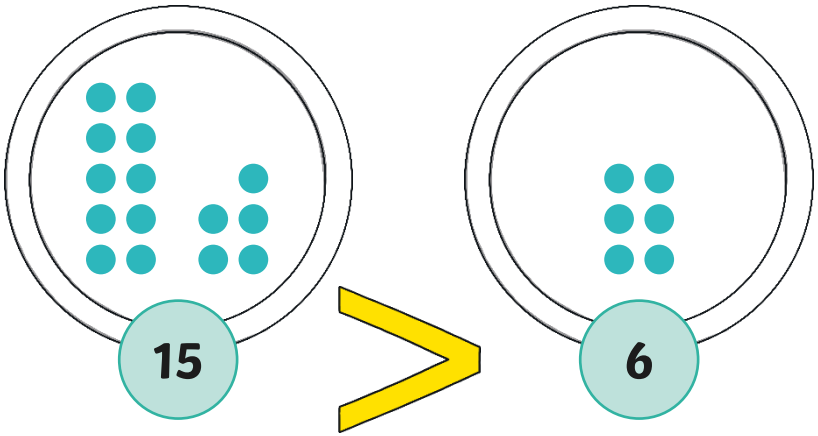
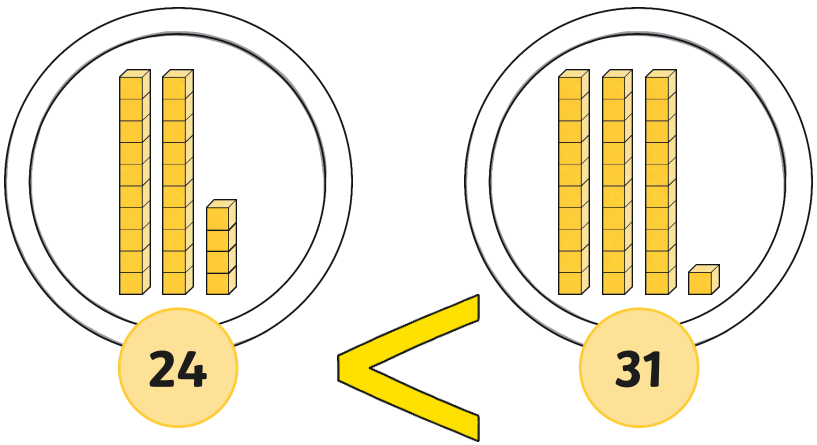
Hungry Hamsters

Whole Class

The hungry hamsters will always choose the greater number.





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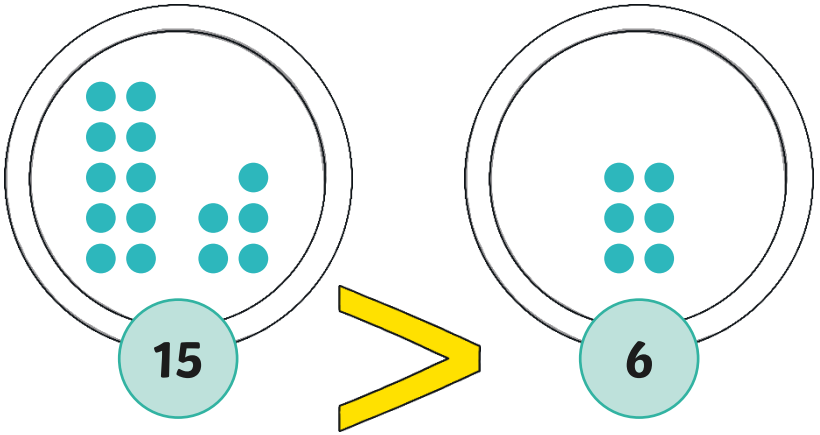
Hungry Hamsters

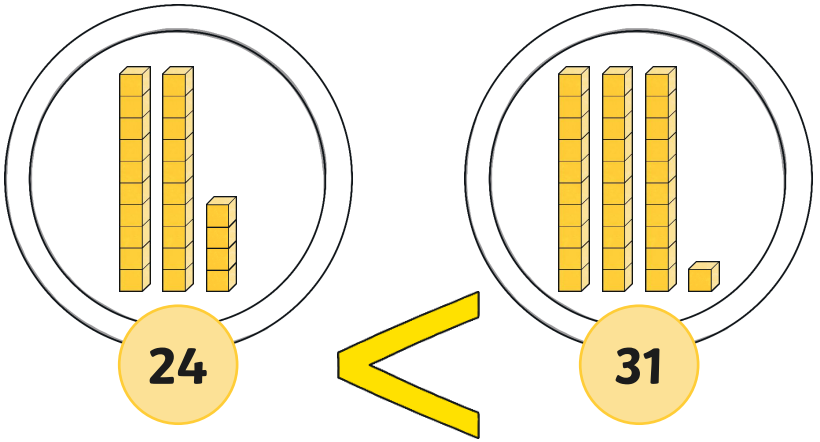
Whole Class

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.



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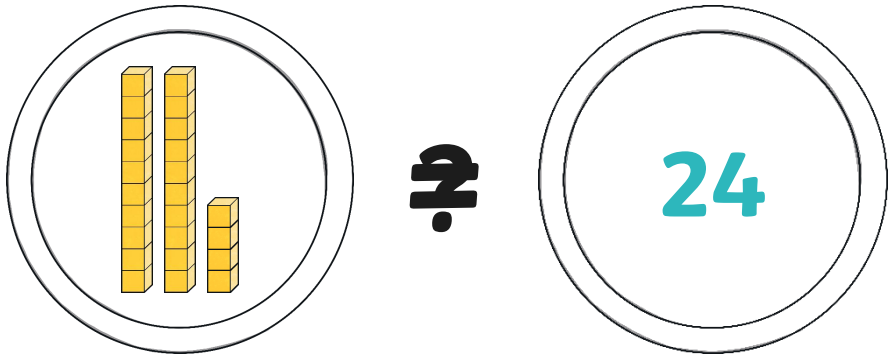
Hungry Hamsters

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.

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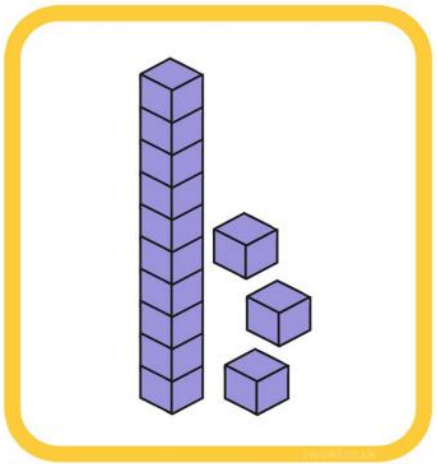
Feeding the Hungry Hamsters

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?



<

67

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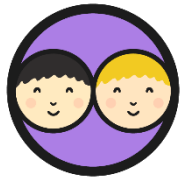
Feeding the Hungry Hamsters



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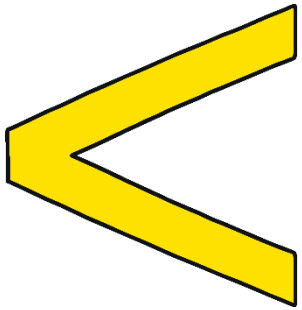
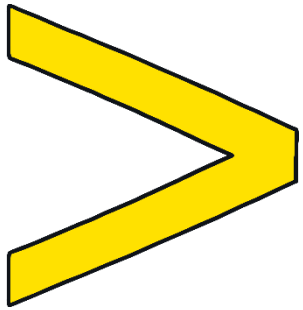


less than



greater than

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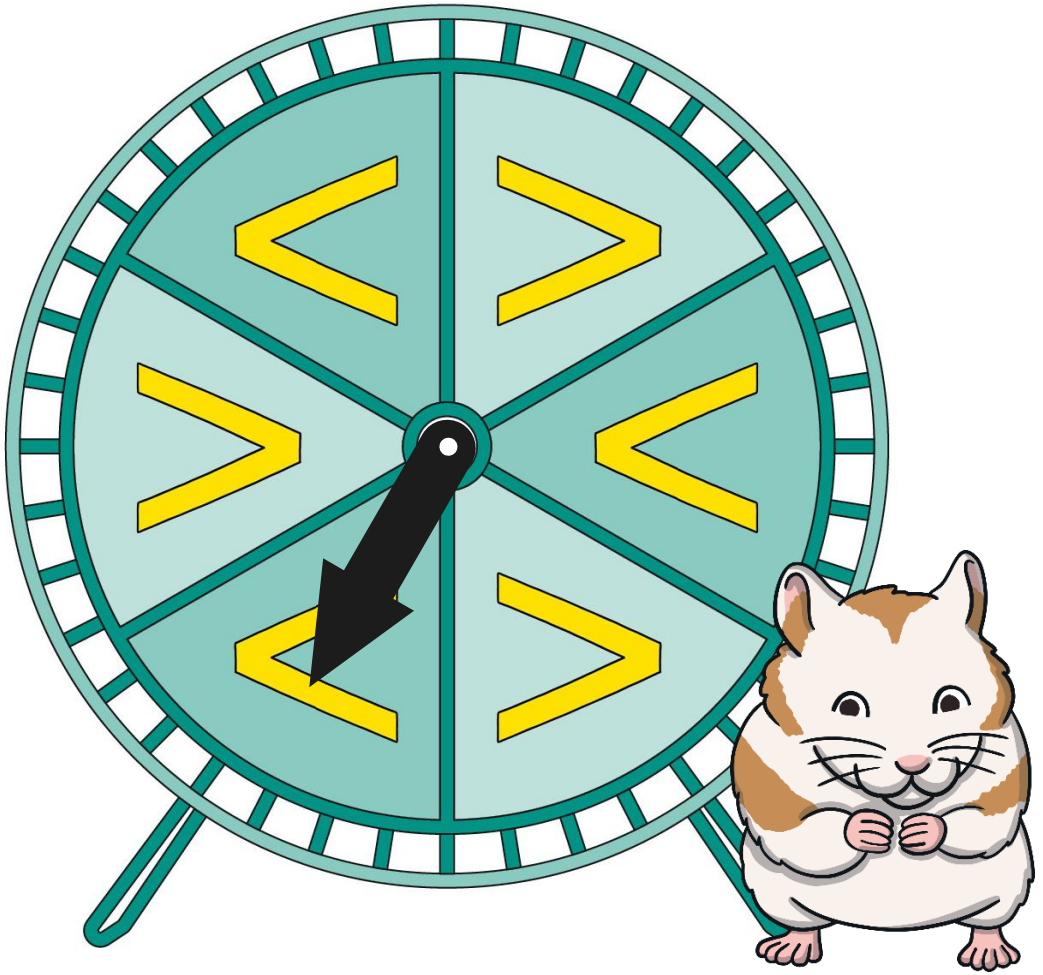
Hamster Wheel

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!



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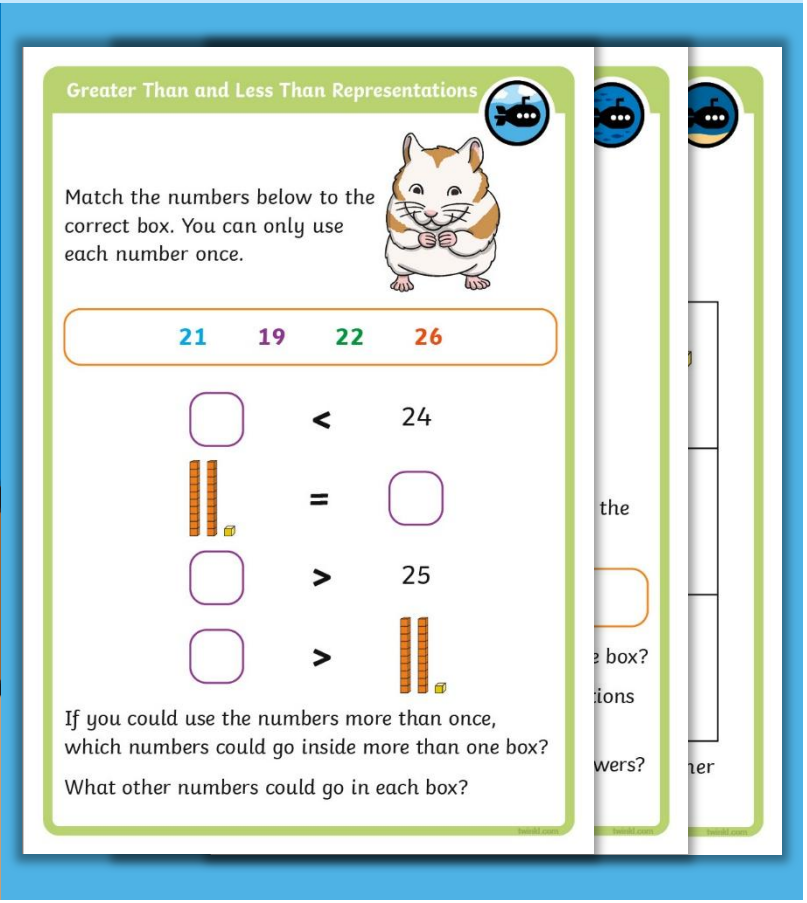
Diving into Mastery

Dive in by completing your own activity!



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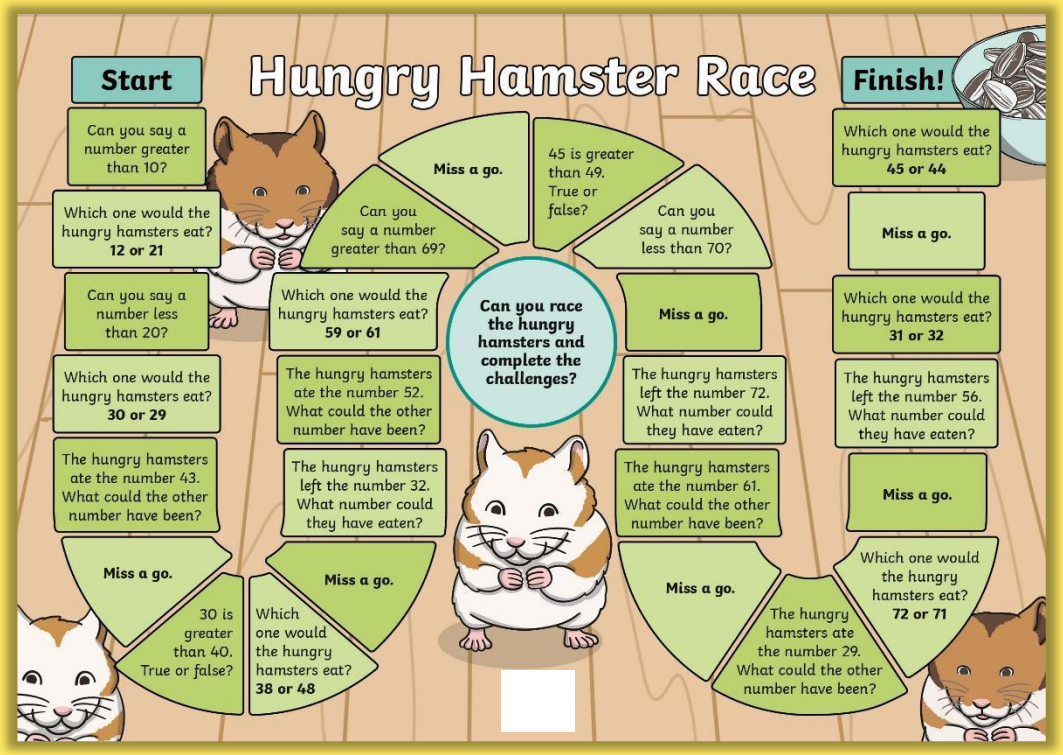
Hamster Race

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



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Aim

- To compare numbers.

Success Criteria

- I can compare two numbers.
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- I can say which number is less.
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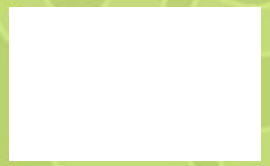

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