

Homework without the hassle

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Comparing Numbers to 10 - Foundation

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Comparing Collections to 10

Count. Compare. Explain.

MORE



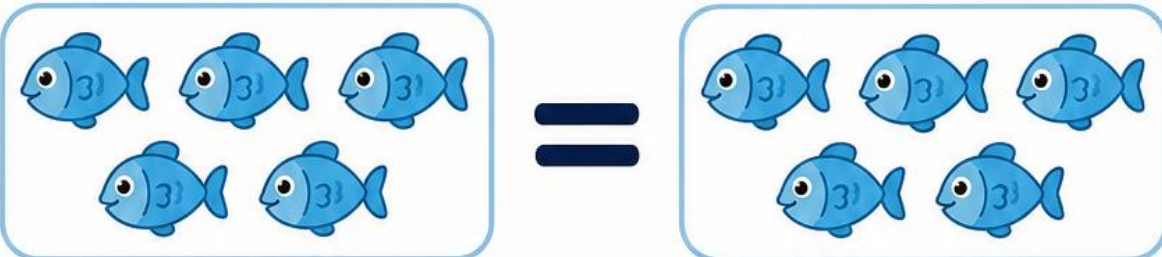
7 is more than 4

LESS



3 is less than 6.

EQUAL



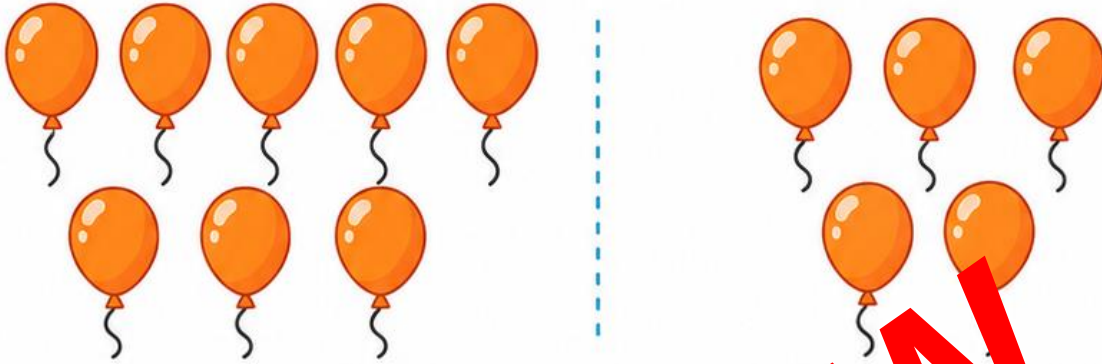
5 is the same as 5.

★ ● ● ● ● Count each object once. ● ● ● ★

More, Less and Equal

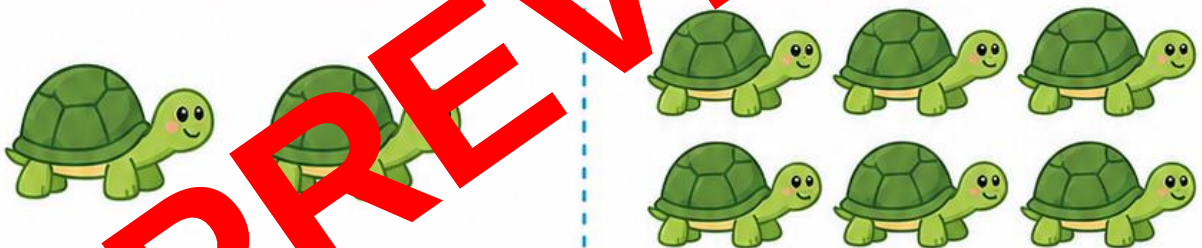
1. Count first. 2. Compare next. 3. Explain your answer.

MORE means a larger collection.



8 is more than 5.

LESS means a smaller collection.



2 is less than 6.

EQUAL means the same amount.



4 is equal to 4.



I counted each object once.

Name: _____

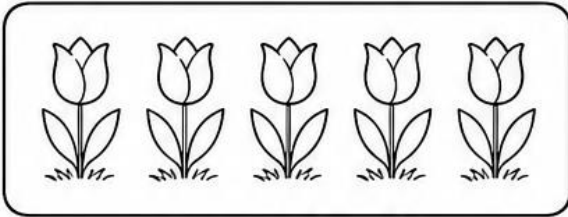


Count and Compare Gardens

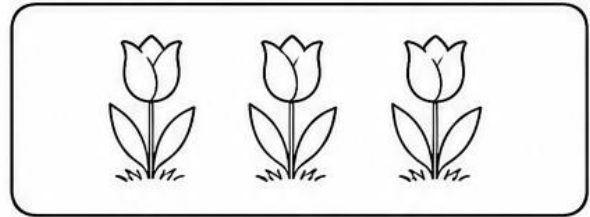


Count each collection. Write each total. Circle the collection with more.

1.

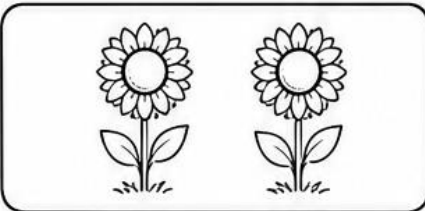


How many?

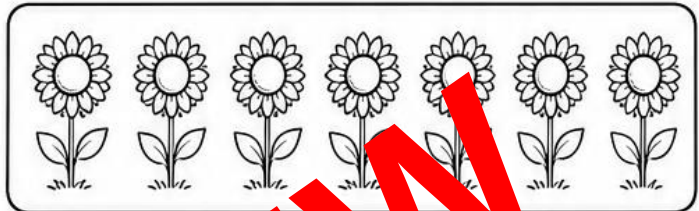


How many?

2.

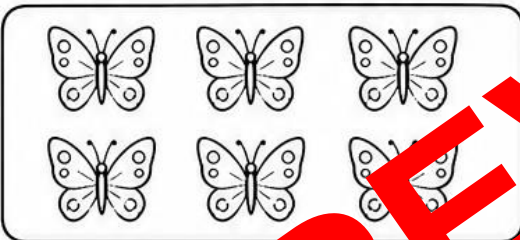


How many?

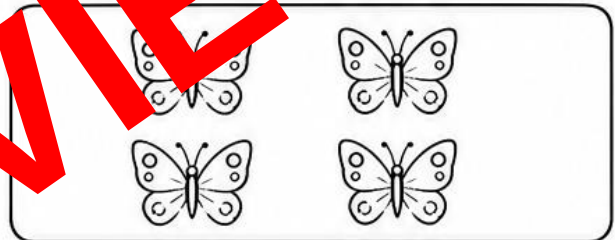


How many?

3.

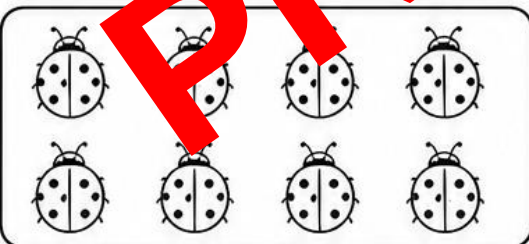


How many?

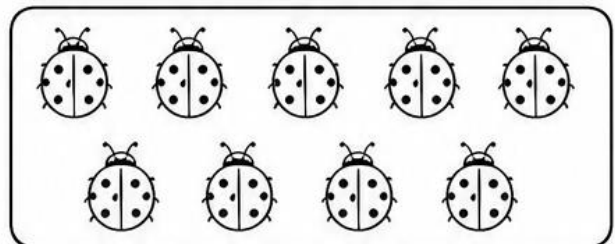


How many?

4.

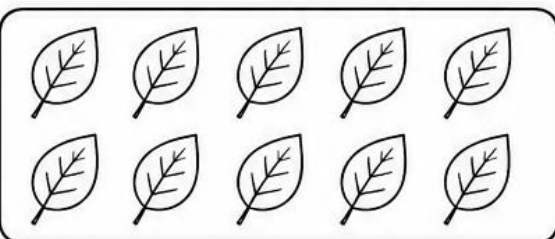


How many?

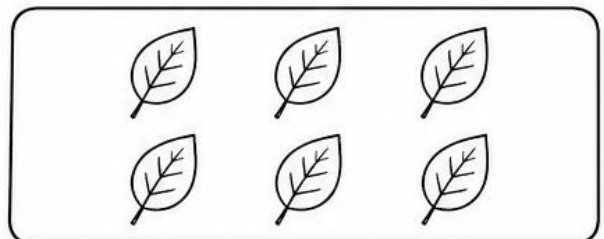


How many?

5.



How many?



How many?



ANSWERS

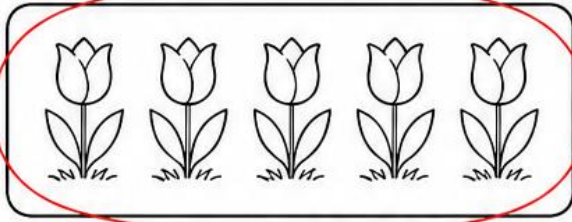


Count and Compare Gardens



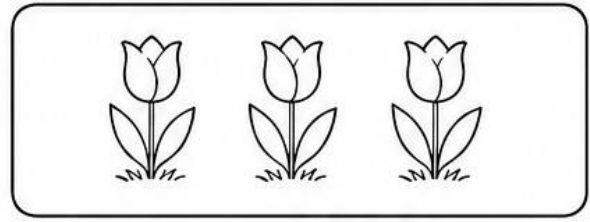
Count each collection. Write each total. Circle the collection with more.

1.



How many?

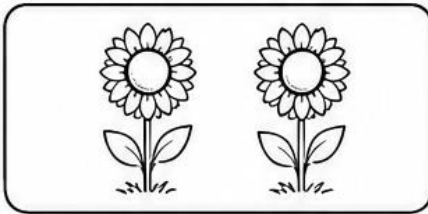
5



How many?

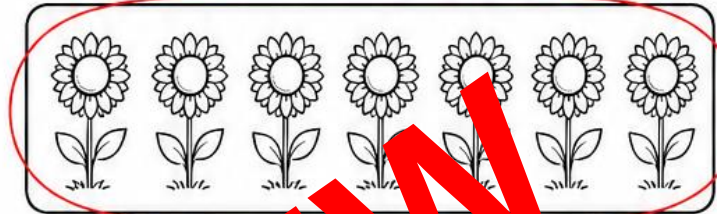
3

2.



How many?

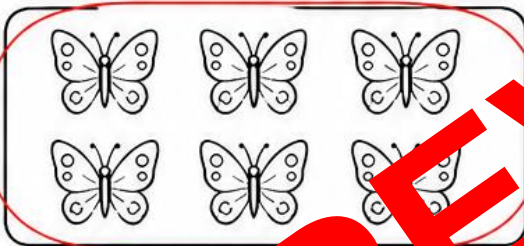
2



How many?

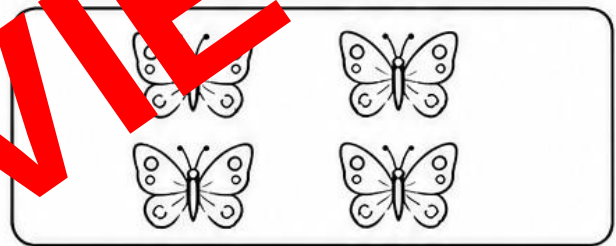
7

3.



How many?

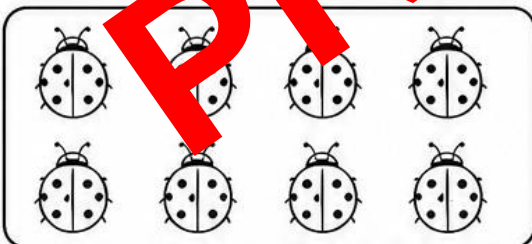
6



How many?

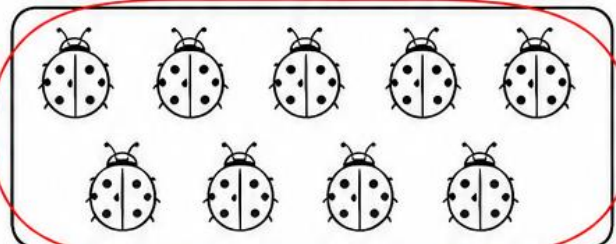
4

4.



How many?

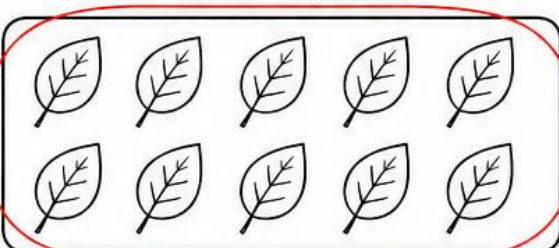
8



How many?

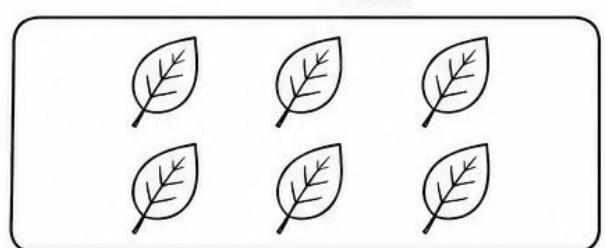
9

5.



How many?

10



How many?

6





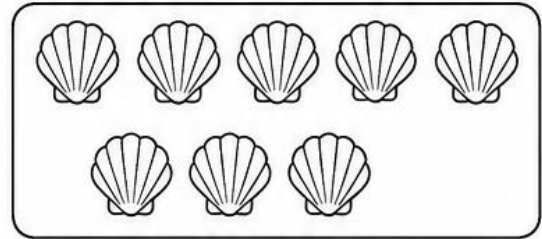
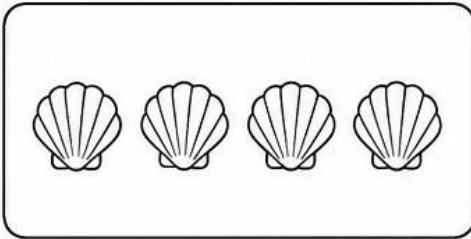
Name: _____



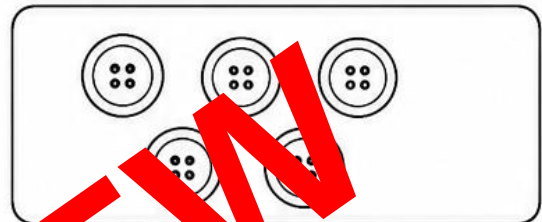
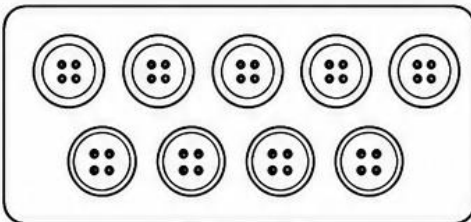
Which Has More?

Count each collection. Write the totals. Circle the collection with more.

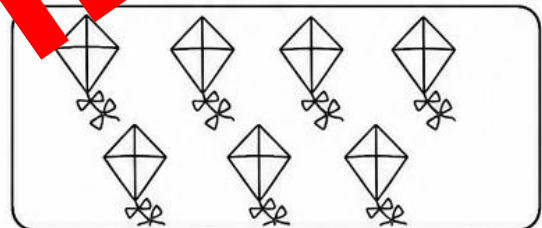
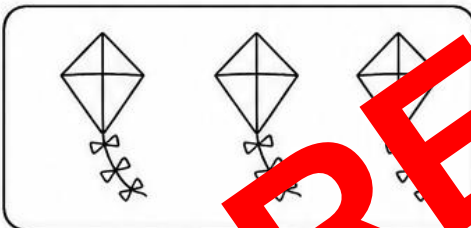
1.



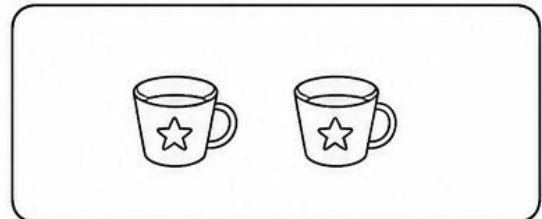
2.



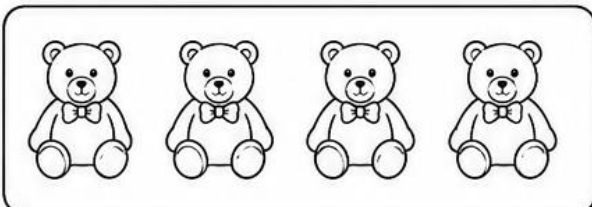
3.



4.



5. Draw a collection that has more than 4.





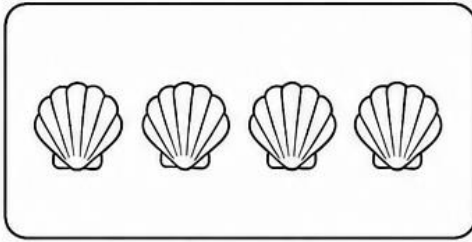
ANSWERS

Which Has More?

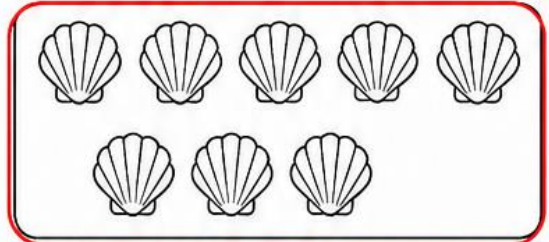


Count each collection. Write the totals. Circle the collection with more.

1.

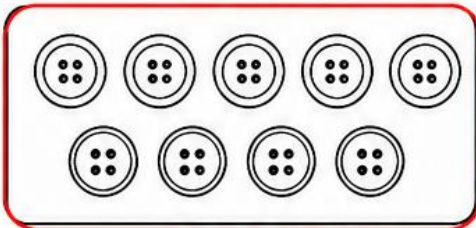


4

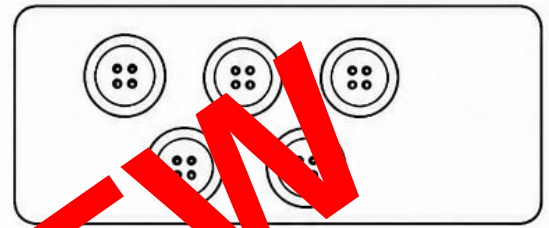


8

2.

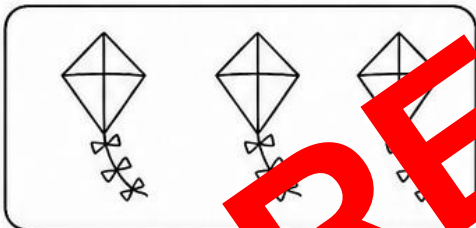


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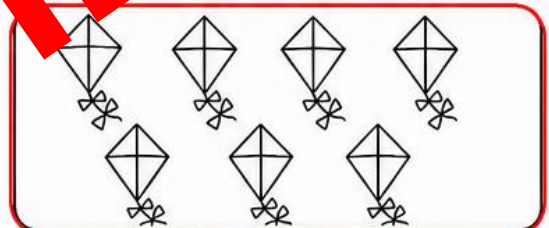


5

3.



3

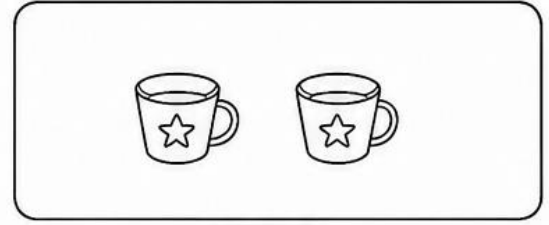


7

4.

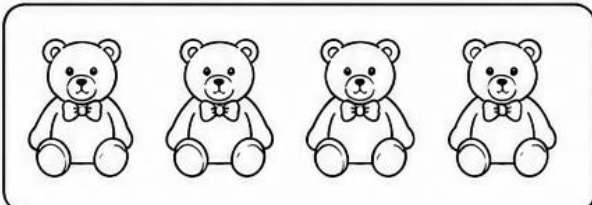


8



2

5. Draw a collection that has more than 4.

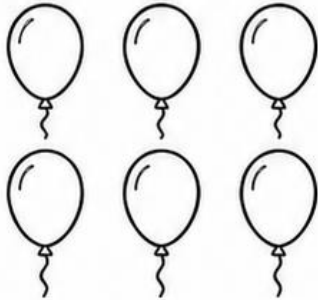


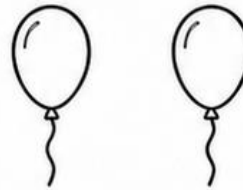
Which Has Less?

Name: _____

Count each collection. Write the totals. Circle the collection with less.

1.



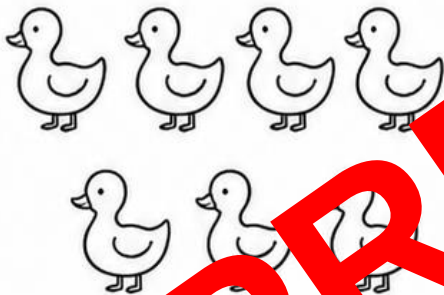


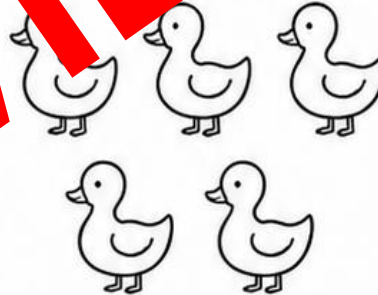
2.





3.



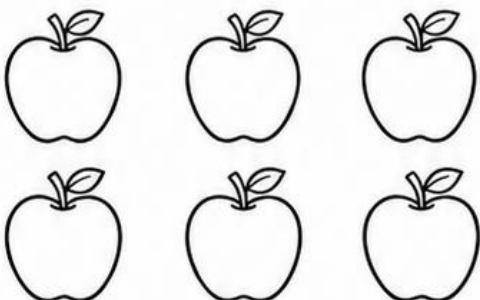


4.





5. Draw a collection that has less than 6.

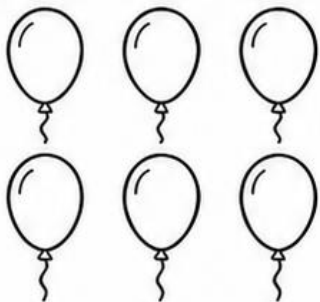


Which Has Less?

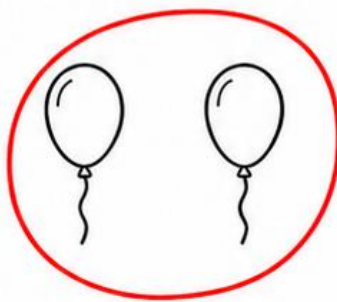
Name: _____ **ANSWERS**

Count each collection. Write the totals. Circle the collection with less.

1.



6



2

2.

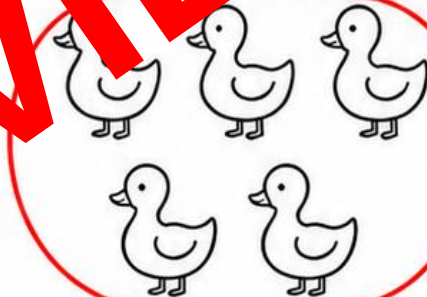
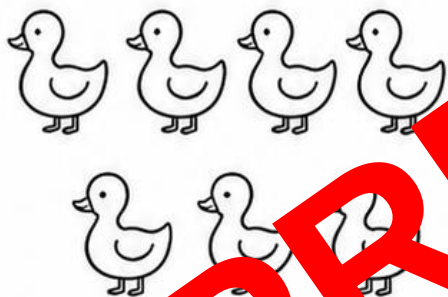


4



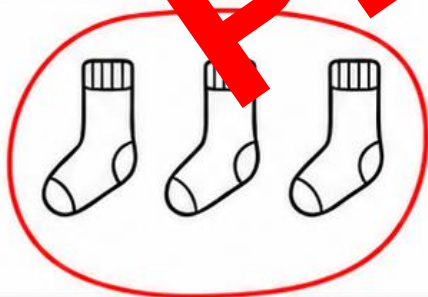
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3.

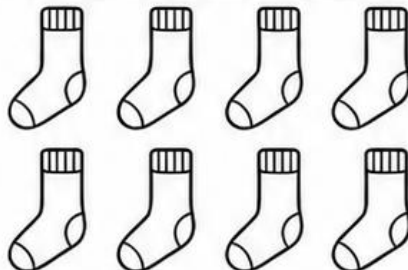


5

4.

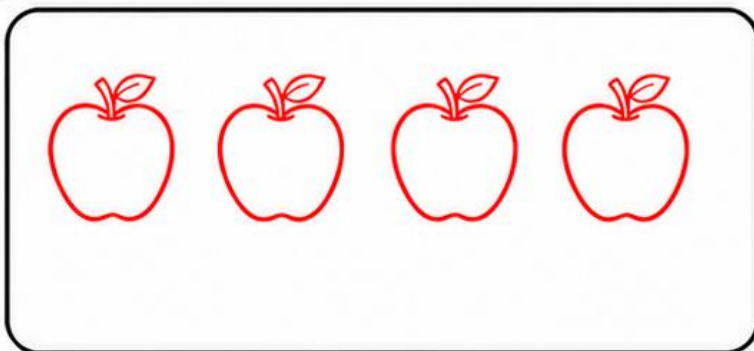
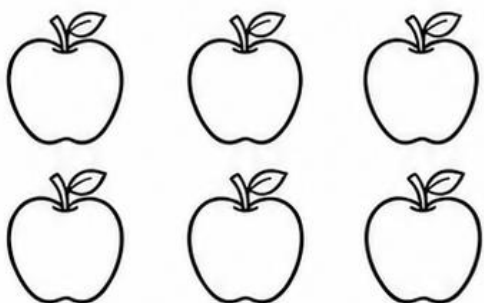


3



8

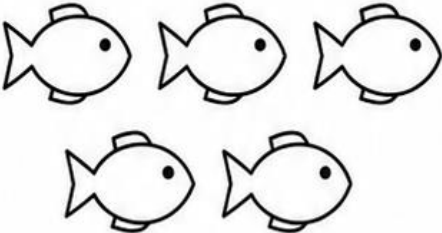
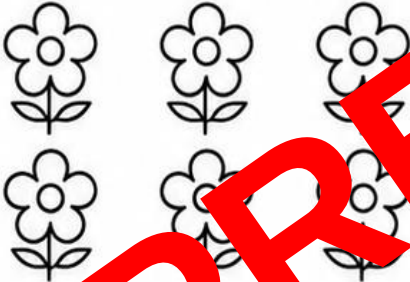
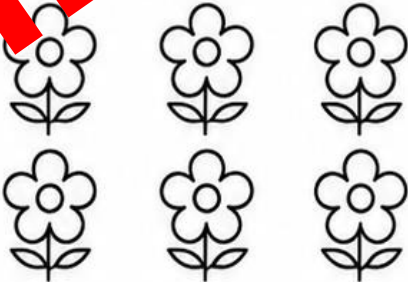
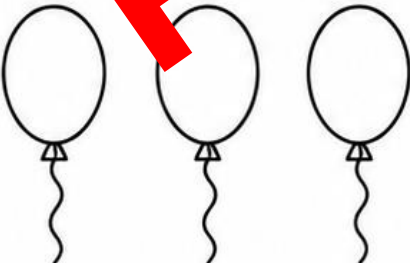
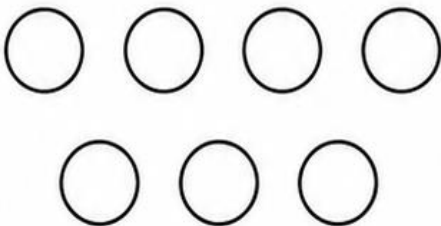
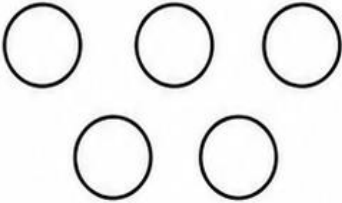
5. Draw a collection that has less than 6.



Equal Collections

Name: _____

Count each pair. Tick the pairs that are equal. Then complete the last two pairs so they are equal.

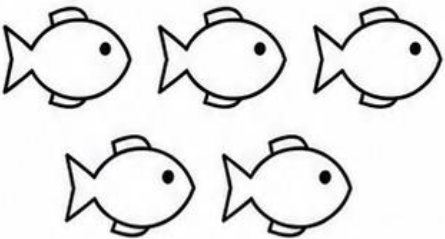
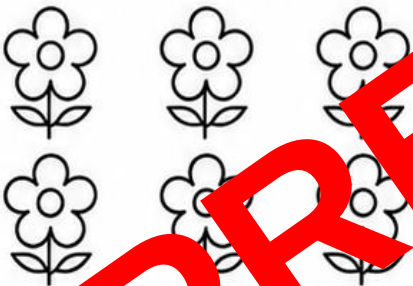
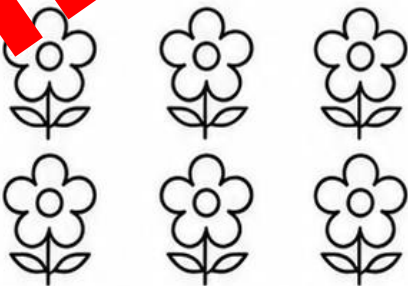
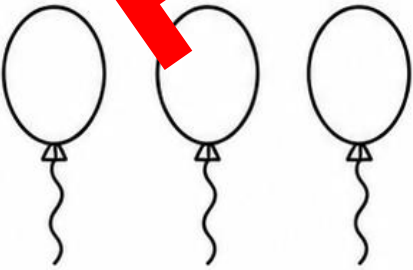
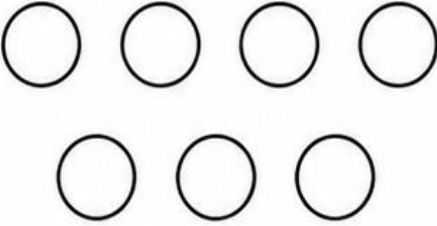
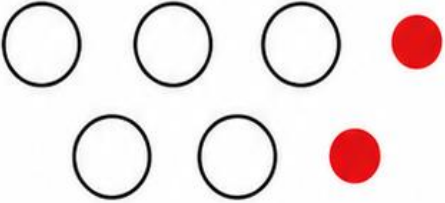
1.		☐	
2.		☐	
3.		☐	
4.		Draw to make the pair equal.	
5.		Add dots to make the pair equal. 	

Equal Collections

ANSWERS

Name: _____

Count each pair. Tick the pairs that are equal. Then complete the last two pairs so they are equal.

1.		☒	
2.		☐	
3.		☒	
4.		Draw to make the pair equal. 	
5.		Add dots to make the pair equal. 	

Compare with Symbols

Name: _____

$>$ means is more than $<$ means is less than $=$ means is equal to

Write $>$, $<$ or $=$ in each box.

1. 7 4	2. 2 6
3. 5 5	4. 9 3
5. 1 8	6. 10 7
7. 4 4	8. 6 9

Compare with Symbols

Name: _____

ANSWERS

$>$ means is more than $<$ means is less than $=$ means is equal to

Write $>$, $<$ or $=$ in each box.

1. 7 $>$ 4

2. 2 $<$ 6

3. 5 $=$ 5

4. 9 $>$ 3

5. 1 $<$ 8

6. 10 $>$ 7

7. 4 $=$ 4

8. 6 $<$ 9

Compare and Cover Battle

MORE OR LESS MODE

You need: number cards 1-10 and two colours of counters.

1. Choose MORE or LESS.
2. Turn over two number cards.
3. Cover the chosen number on your board.
4. First to make 3 in a row wins.

PLAYER 1

4	6	7	8
9	10	3	5
8	6	4	7

PLAYER 2

8	9	10	7
6	4	10	3
5	8	3	7

If the numbers are equal, turn over two new cards.

More or Less Quest

START

1

more
than 2

2

less
than 5

3

more
than 5

4

less
than 7

5

more
than 1

16

less
than 10

15

more
than 1

14

less
than 7

13

more
than 5

12

less
than 9

11

more
than 2

10

less
than 5

9

more
than 7

8

less
than 6

7

more
than 4

6

less
than 10

7	2	10	4	6	9
1	8	3	5	7	7
6	10	1	9	4	3
8	5	7	2	10	5
3	9	4	1	8	5

How to play

1. Roll a die and move.
2. Read the prompt.
3. Cover a matching number.
4. First to cover 4 in a row wins.

You need: a die and counters.



Compare to Ten Race

1. Both players turn over a number card.
2. The player with the larger number moves one space.
3. Equal numbers mean both players move.
4. First to FINISH wins.

You need: number cards 1-10 and two counters.

PLAYER 1



START

1

2

3

4

5

6

7

8

9

10

FINISH



PLAYER 2



START

1

2

3

4

5

6

7

8

9

10

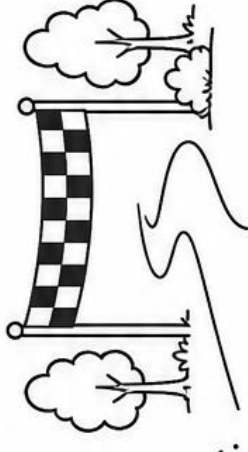
FINISH



Name: _____



Compare to Ten Recording Mat



Record both numbers. Write $>$, $<$ or $=$. Circle the larger number.

PLAYER 1	SYMBOL	PLAYER 2	WINNER
	○		_____
	○		_____
	○		_____
	○		_____
	○		_____
	○		_____
	○		_____

PLAYER 1
TOWER

--	--	--	--	--	--	--	--	--	--

PLAYER 2
TOWER

--	--	--	--	--	--	--	--	--	--

Equal numbers: both players move.

More Gets the Score

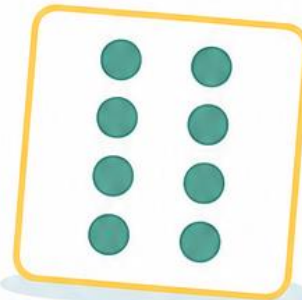
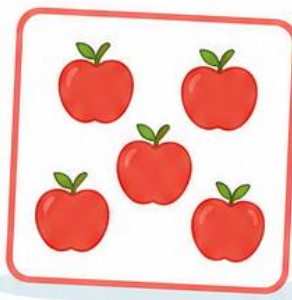
A comparing collections card game

YOU NEED

The two card pages and two players.

HOW TO PLAY

1. Cut out, laminate and shuffle the cards.
2. Share the cards evenly and place them face down.
3. Each player turns over one card.
4. The player with more objects keeps both cards.
5. Equal collections? Turn over one more card.
6. The player with the most cards at the end wins.



TRY LESS MODE: The smaller collection wins.

More Gets the Score - Cards 1-5

1
one



2
two



3
three



4
four



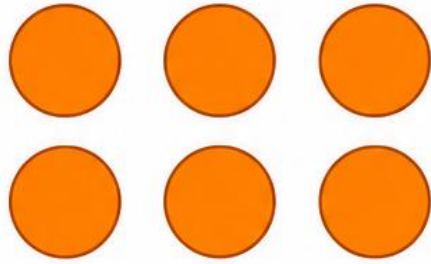
5
five



PREVIEW

More Gets the Score - Cards 6-10

6
six



7
seven



8
eight



9
nine



10
ten

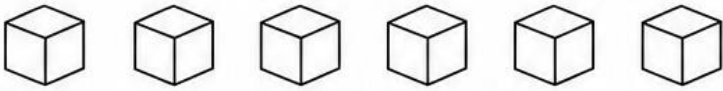
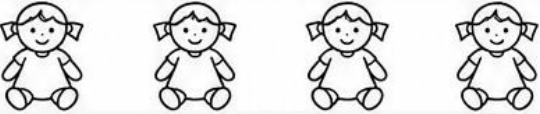
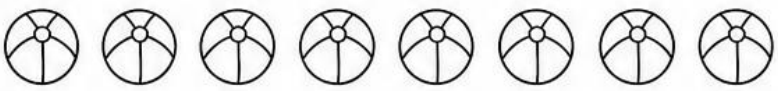


Comparing Collections to 10 Assessment

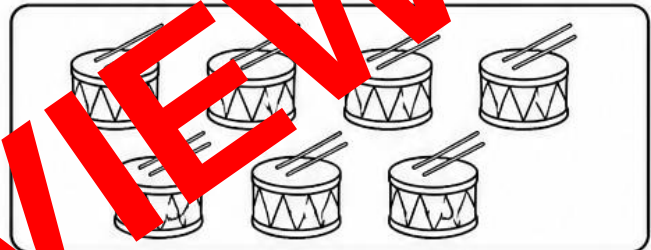
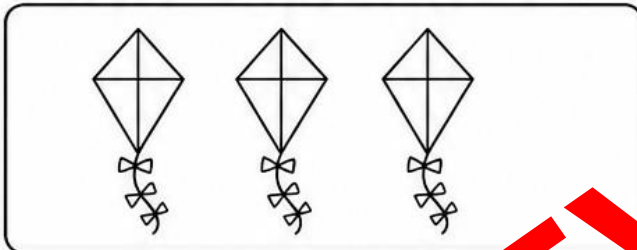
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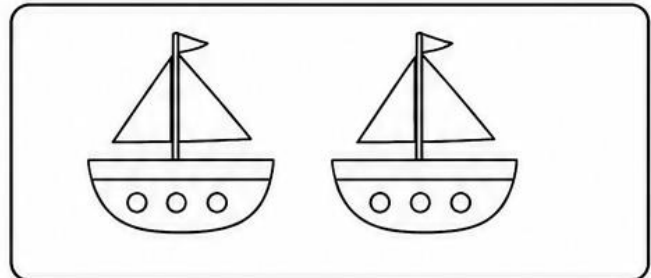
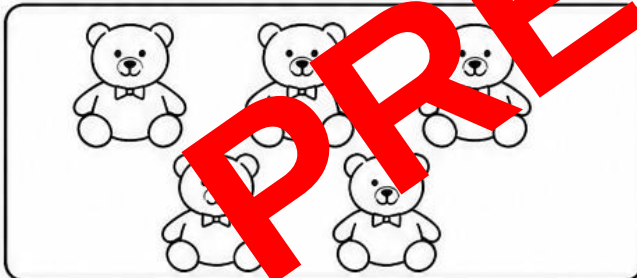
1. Count each toy collection. Write the total.

Blocks		_____
Dolls		_____
Balls		_____
Cars		_____

2. Circle the collection with the most.

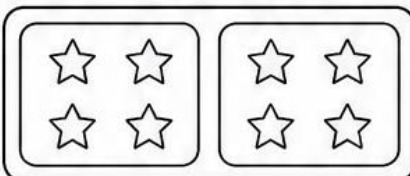


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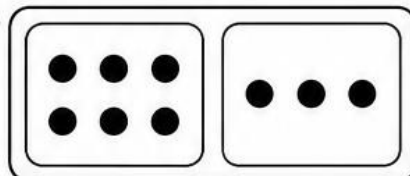


4. Tick the pair that is equal.

Pair A


☐

Pair B


☐

5. Write $>$, $<$ or $=$.

7

3

6. Draw a collection that has more than 5.

Teacher prompt: How do you know which collection has more?

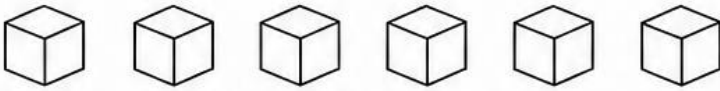
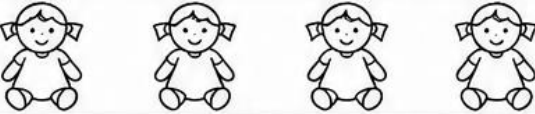
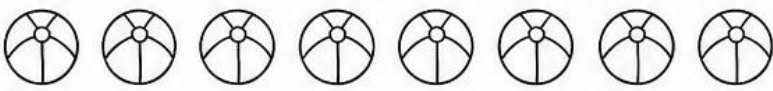
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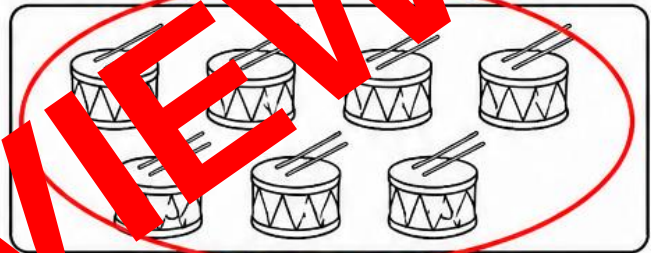
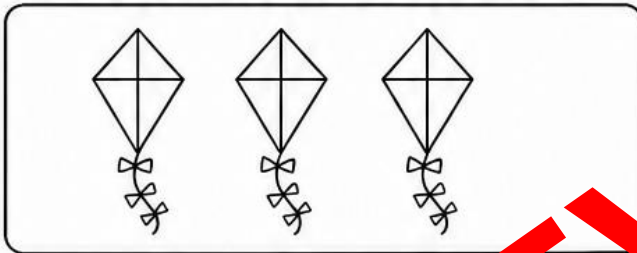
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ANSWERS

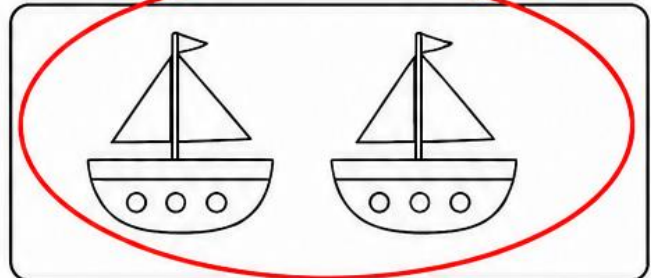
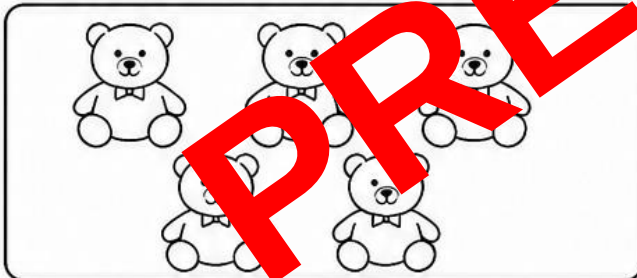
1. Count each toy collection. Write the total.

Blocks		<u>6</u>
Dolls		<u>4</u>
Balls		<u>8</u>
Cars		<u>8</u>

2. Circle the collection with the most.

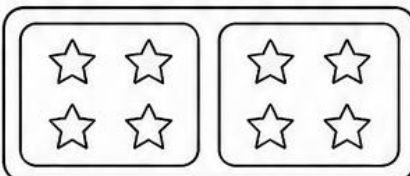


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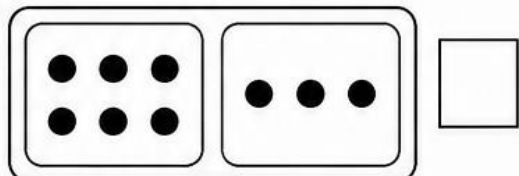


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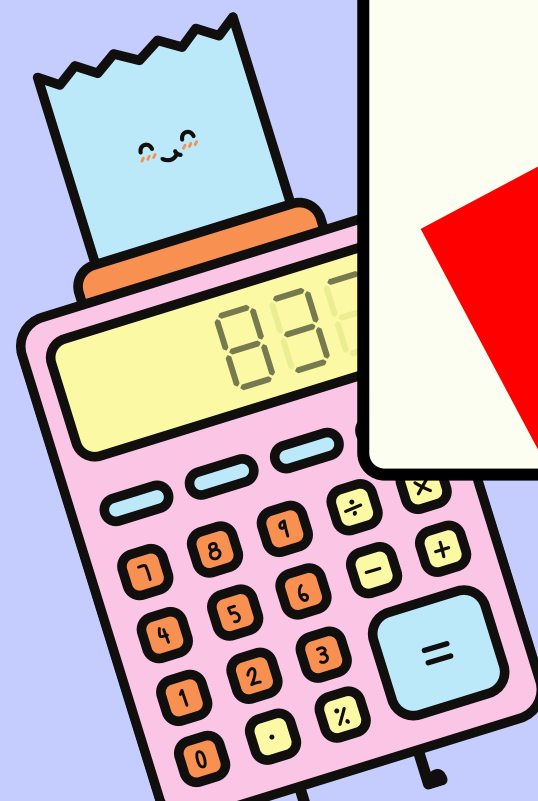
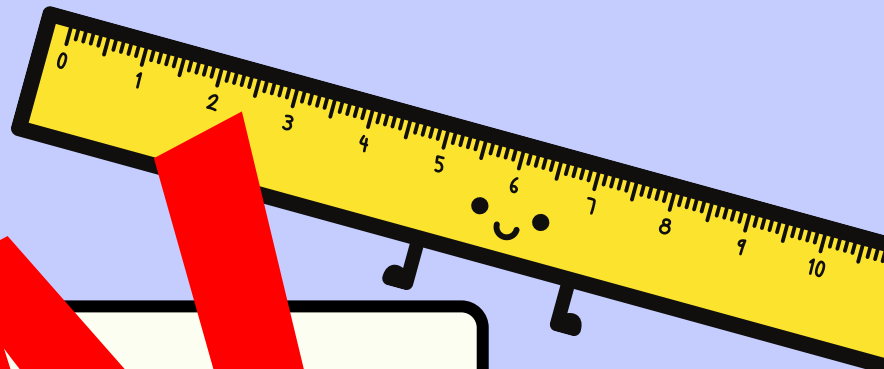
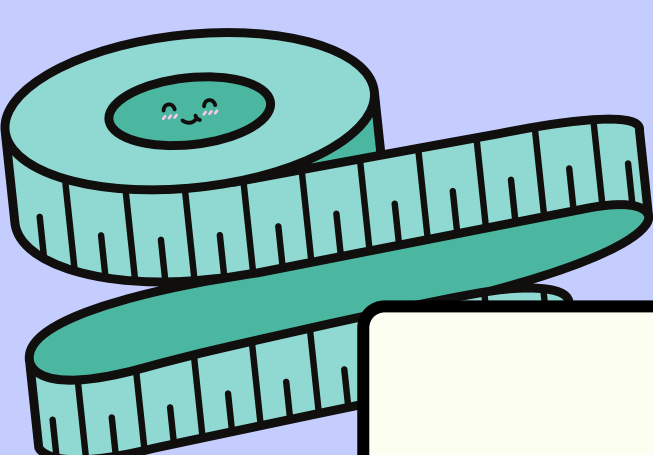
I counted each collection. 7 is more than 3.

Comparing Numbers to 10 Foundation Unit Rubric

Student: _____

Date: _____

	BEGINNING	DEVELOPING	ACHIEVING	CONFIDENT	EXCEEDING
Count collections to 10	Needs support to count. ☐	Counts collections. ☐	Counts collections to 10. ☐	Counts accurately and checks. ☐	Counts flexibly and explains. ☐
Compare more, less and equal	Needs support to compare. ☐	Identifies some comparisons. ☐	Compares more, less and equal. ☐	Compares accurately in varied tasks. ☐	Justifies comparisons in new contexts. ☐
Use comparison language and symbols	Needs prompts for language. ☐	Uses some comparison words. ☐	Uses more, less, equal, >, < and =. ☐	Selects words and symbols accurately. ☐	Connects words, symbols and quantities. ☐
Explain mathematical thinking	Gives limited explanation. ☐	Explains with prompts. ☐	Explains using counting. ☐	Explains and checks reasoning. ☐	Gives clear, efficient reasoning. ☐



PREVIEW

Comparing Numbers to 10



Learning Goal

We are learning to count collections to 10
and compare them as more, less or equal.



Success Criteria

I can count every object once.

I can say which collection has more, less or the same.

I can explain how I know.



What Is a Collection?

A collection is a group of objects.

We can count the objects to find how many there are.



Count Each Object Once

Touch or point to each object as you count.

Say the number for each object.

The last number tells how many.



Count the Dots

How many dots can you count?

Touch each dot once.



Count Reveal

PREVIEW

There are 4 dots.

The last number we said was 4.



Count the Stars

PREVIEW

★ ★ ★ ★ ★
How many stars can you count?



Count Reveal

There are 100 items.

Several items are in the collection.



Count the Circles

The circles are spread out.

How many are there?



Count Reveal

There are 3 birds.

But once they not make more objects.



Count the Hearts

How many hearts can you count?



Count Reveal

There are 3 hearts.

We counted each heart once.



Count the Dots



How many dots are there altogether?



Count Reveal

There are dots.

Count across one row, then the next.



Compare Collections

To compare means to look at two counts.

Count both collections first.

Then decide: more, less or equal?



More

More means the collection has a bigger amount.
The collection has more than 5.



Less

Less means the direction has smaller amount.
2 is less than 7.



Equal

Equal means both collections have the same amount.

$6 = 6$ is equal to 6.



Count, Compare, Explain

1. Count the first collection.
2. Count the second collection.
3. Compare the totals.
4. Explain how you know.



Use a Comparison Sentence

_____ is more than _____.

_____ is less than _____.

_____ is the same as _____.



Same Number, New Space

.....

Both collections have 4.

Spreading objects out does not change the amount.



Which Has More?

Left: ● ● ● ●

Right: ● ●

Count, compare and explain.



Comparison Reveal

PREVIEW

is more than 3.

the first collection has more.



Which Has Less?

PREVIEW

Count, compare and explain.



Comparison Reveal

PREVIEW

is less than
The collection has less.



Are They Equal?

Left: ★ ★ ★ ★

Right: ★ ★ ★ ★

Count both collections.



Comparison Reveal

Both collections are equal in size.
Both collections have the same amount.



Which Has More?

Left: 3 shells

Right: 7 shells

Which amount is more?



Comparison Reveal

PREVIEW

is more than 7.
The left connection has 2 more.



Which Has Less?

Left 4 trucks

Right 6 trucks

Which amount is less?



Comparison Reveal

PREVIEW

is less than
the collection has 2 less.



Are They Equal?

Left: 2 fish

Right: 10 fish

Does either collection have more?



Comparison Reveal

Neither is more or less. They are the same.



Words to Remember

MORE = a bigger amount

LESS = a smaller amount

QUA = the same amount



Symbols Help Us

$>$ means more than

$<$ means is less than

$=$ means is equal to

Say the words before using the symbol.



More Than

$8 > 3$

Eight is more than five.



Less Than

$$3 < 7$$

Three is less than seven.



Equal To

6 = 6
Six is equal to six.



Explain Your Thinking

7 is more than 4 because

tell how counting helped you decide.



Success Review

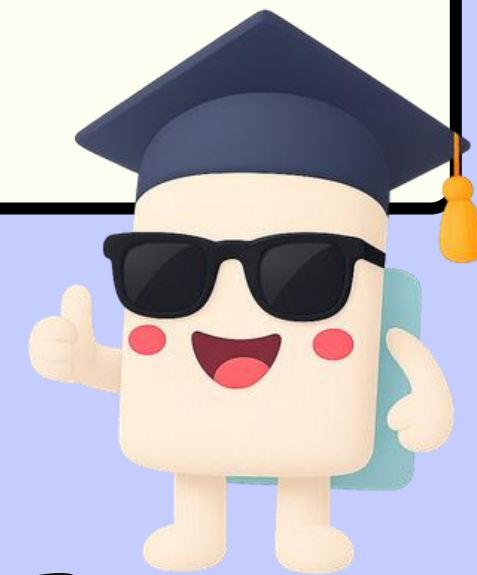
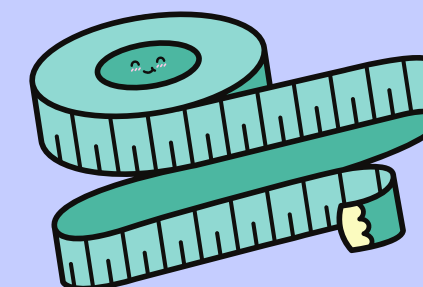
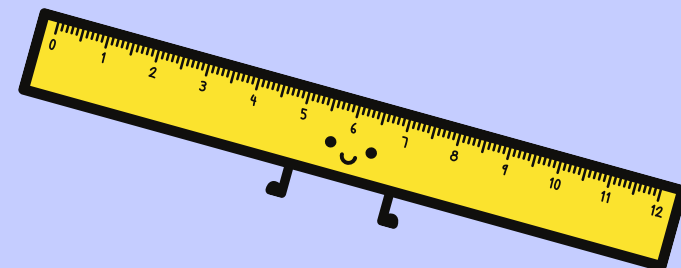
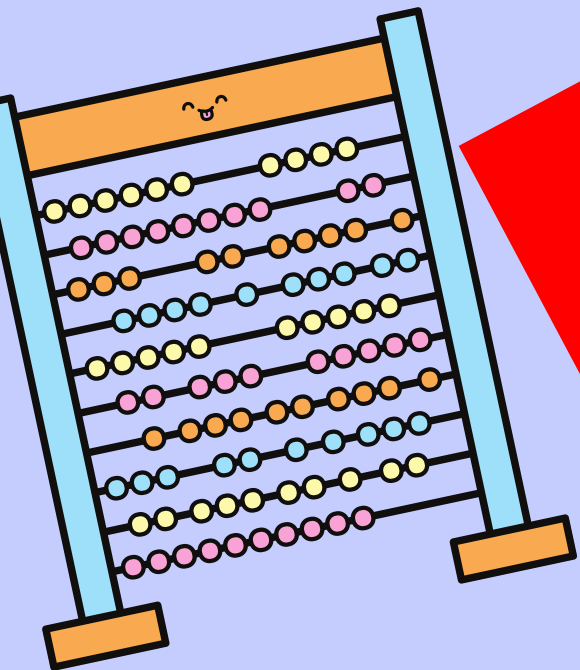
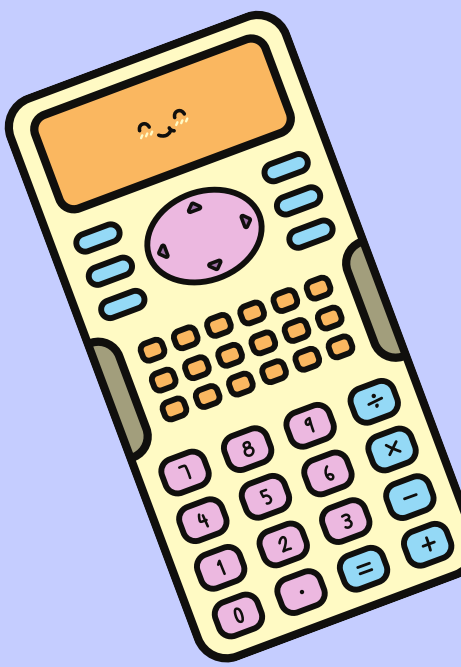
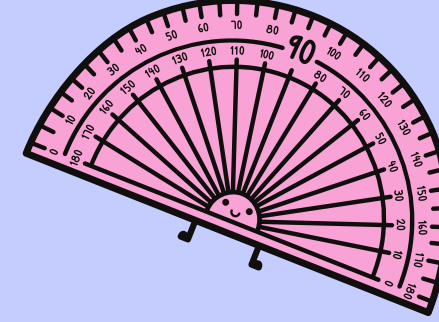
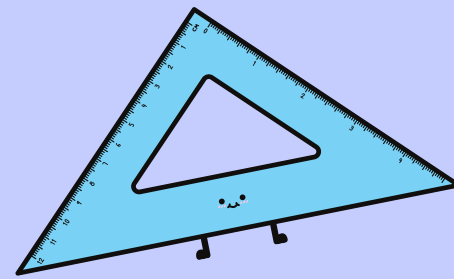
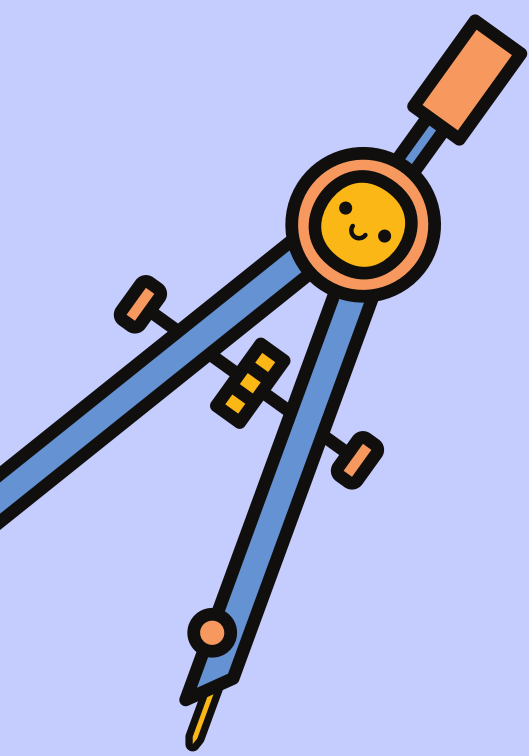
I can count collections to 10.

I can compare more, less and equal.

I can use words and symbols.

I can explain my thinking.



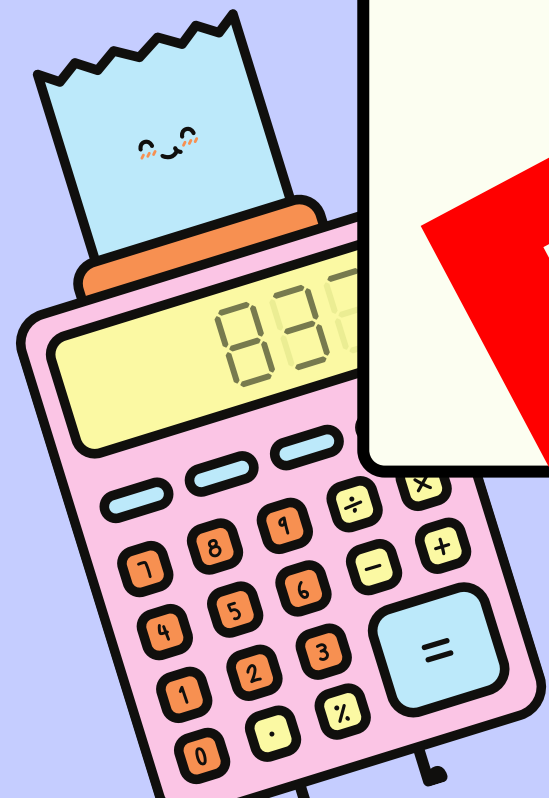
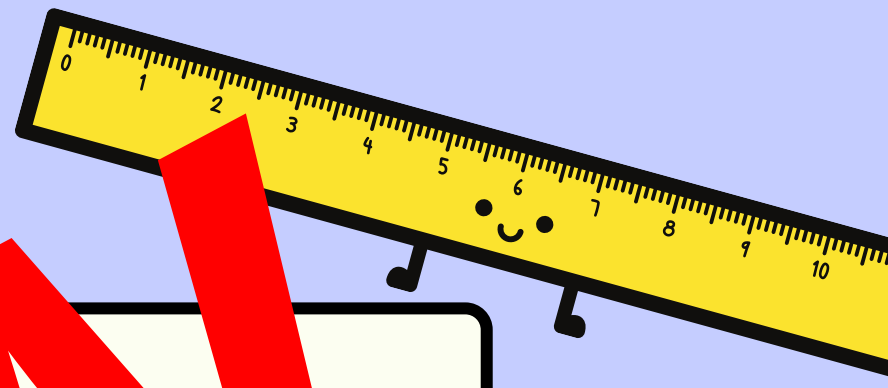
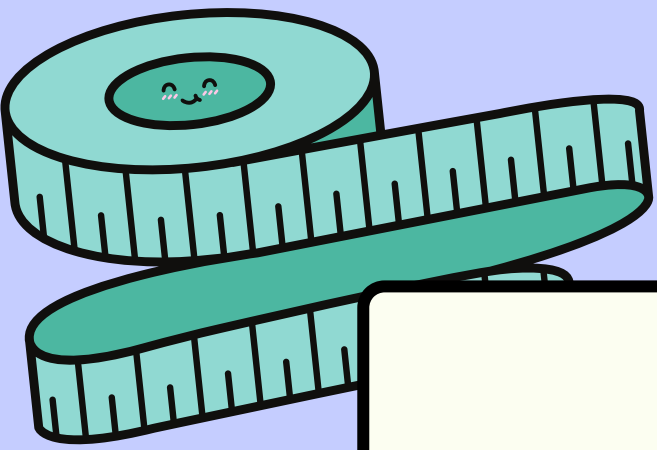


PREVIEW

Well Done!

PREVIEW

Comparing Numbers to 10
Quiz



Question 1 — Short Answer

How many objects are in the collection?



Answer 1

PREVIEW

5

are five dots.



Question 2 — True or False

Four dots spread far apart are more than
four dots close together.

True or false?



Answer 2

Both collections still have 4 dots.

Capacity does not change the amount.



Question 3 — Multiple Choice

Which number is less than 10?

- A. 11 B. 9 C. 10 D. 8



Answer 3

A. 3

There are less than eight.



Question 4 — Multiple Choice

Which symbol makes this comparison correct?

$$7 \square 4$$

- A. > B. < C. = D. +



Answer 4

PREVIEW

Answer

$$7 > 4$$

Seven is more than four.



Question 5 — Short Answer

Say or write one number that is less than 6.



Answer 5

Possible answers: 2, 4 or 5.

Each of the numbers is less than 6.



Question 6 — Multiple Choice

Which pair is equal?

- A. 2 and 5
- B. 4 and 4
- C. 3 and 3
- D. 6 and 9



Answer 6

B. 4 and 4

Both amounts are the same.



Question 7 — True or False

10 is more than 9.

True or false?



Answer 7

TRUE

Ten is more than nine.



Question 8 — Multiple Choice

Which sentence matches $2 < 6$?

A. 2 is more than 6

B. 2 is less than 6

C. 2 is equal to 6

D. 6 is less than 2



Answer 8

$5 < 6$ is less than 5.

$5 < 6$ or means is less than.



Question 9 — Multiple Choice

PREVIEW

Left: ...

pi: ...

Which collection has more?

- A. Left B. Right C. Equal D. Cannot tell



Answer 9

B. right
The right collection has 7.
even is more than three.



Question 10 — Short Answer

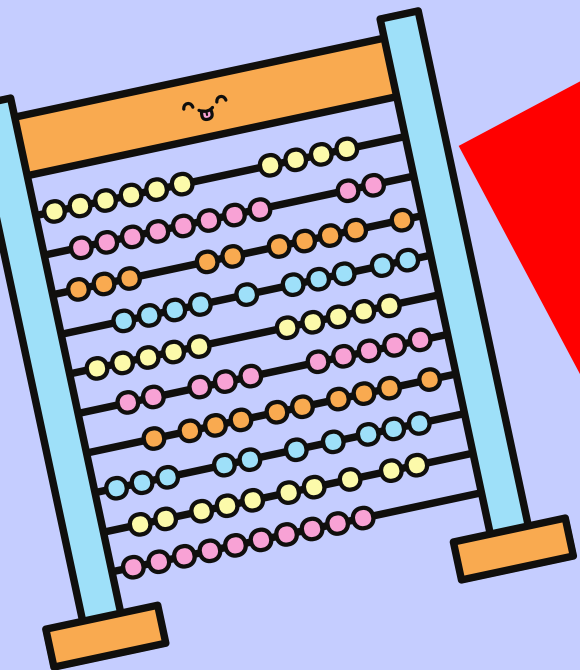
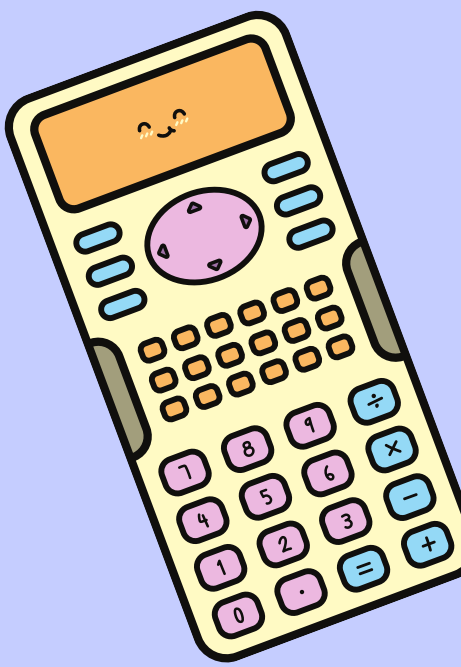
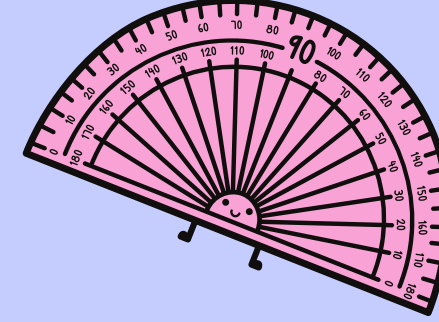
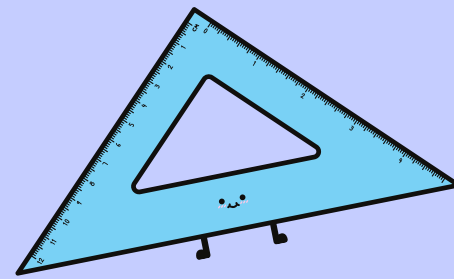
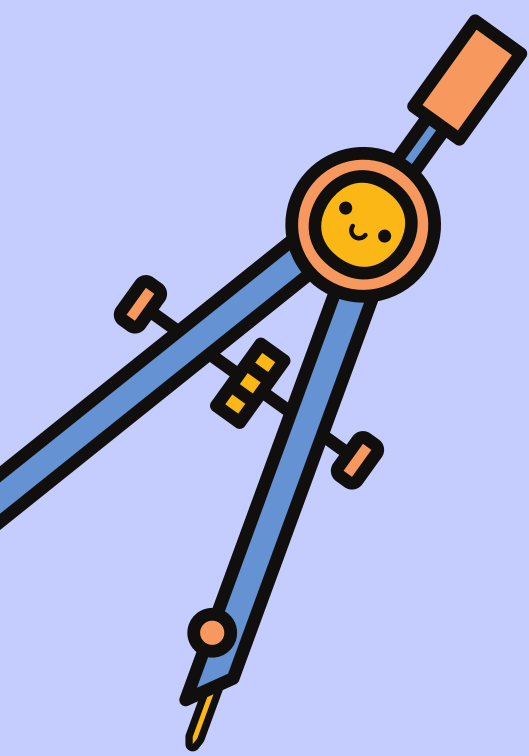
There are 10^3 shoes and 10^4 shoes.
Which collection is more?
Explain how you know.



Answer 10

The collection of 7 shells was more.
I counted both collections, and 7 is more than 5.





PREVIEW

Well Done!

