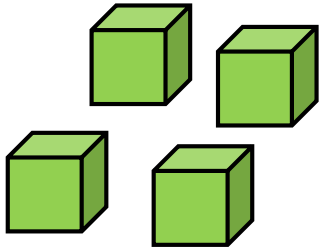
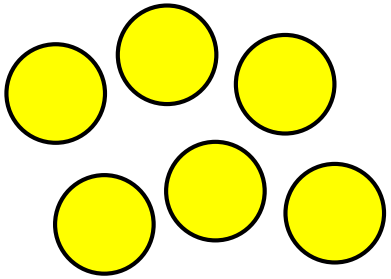
White Rose Maths

Year 1 - Autumn - Block 1

Place Value (within 10)

Two children are discussing how some objects have been sorted.





Dora

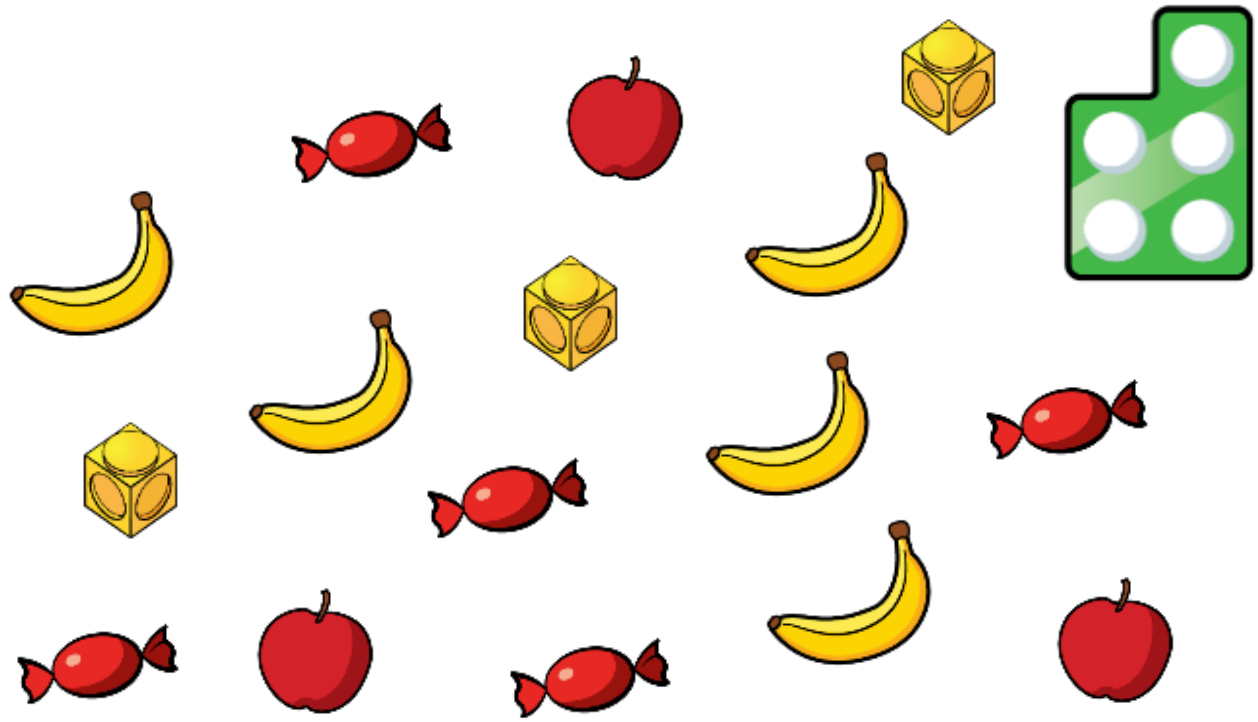
These objects have been sorted into cubes and counters.

These objects have been sorted into green and yellow.

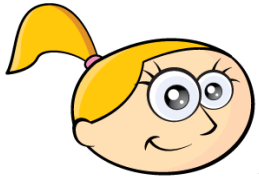
Jack

Who is correct? Convince me.

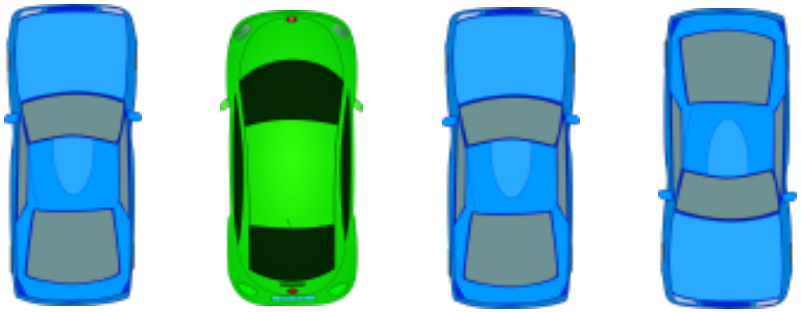
How many different ways can the objects be grouped?



Eva has counted the toy cars.



There are 3 cars.



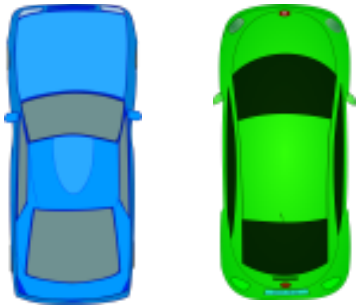
Explain what mistake Eva could have made.

How many different ways can you find to group the objects and find the total?

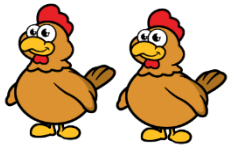
How many ways can you represent 6 glasses of apple juice?

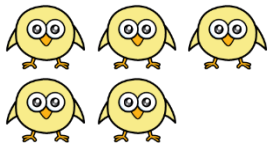
How many ways can you show me less than 4 sweets?

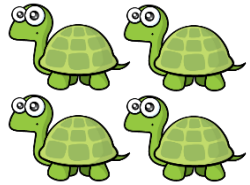
How can you show me that there are more green cars than blue cars?

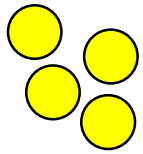


Which representation matches which group?









Explain how you know.

Spot the mistakes and correct the sequences.

- 0, 2, 3, 4, 5
- 

- 1 

  2 

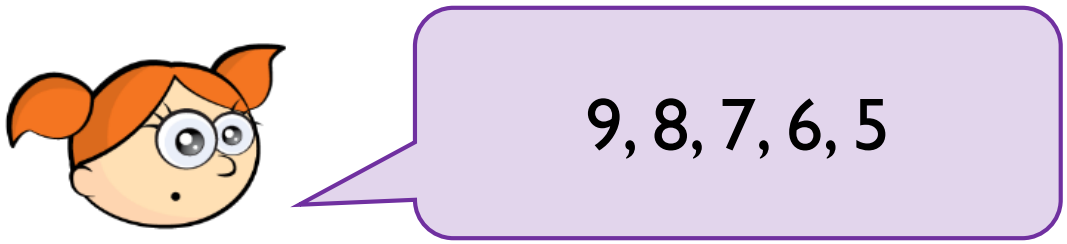
  3 

Whitney says,

When counting forwards, we always count from 0

Do you agree?
Explain why.

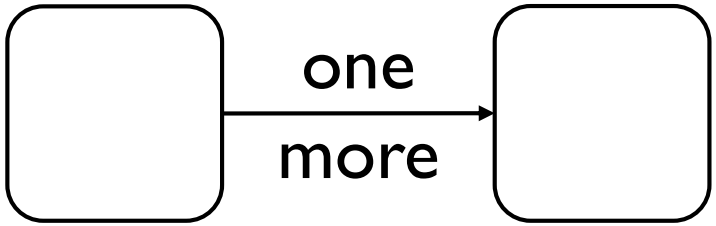
Alex is counting.



How do you know that Alex is counting backwards?

How many different starting points could you have if you wanted to count backwards and stop at 3?

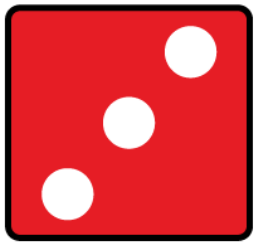
Using number cards 0 to 10, how many different ways can you complete the boxes below?



0 2 9 6 8 10

3 7 5 1 4

Teddy rolls the number that is 1 more than the dice below.



He says that he rolls 2

Explain his mistake.

Mo says,

I am one year older than my sister.

My sister is one year older than my brother.

My brother is 7

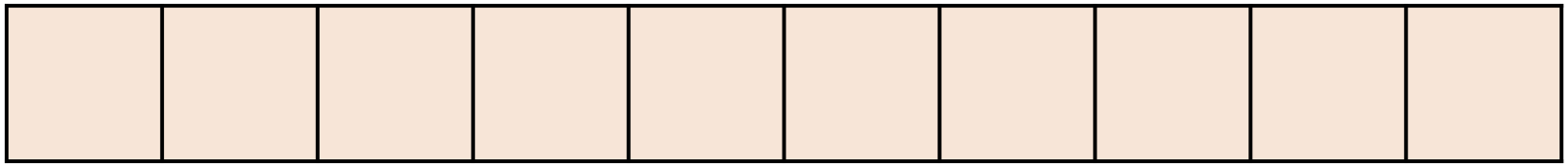
How old is Mo?

Who is the oldest?
Explain why.

True or False?

One more than 7 is the same as one less than 9

Use a number track to help you.



Can you think of another statement like this?

Complete the sentence stems.

One less than 9 is _____

One less than _____ is 7

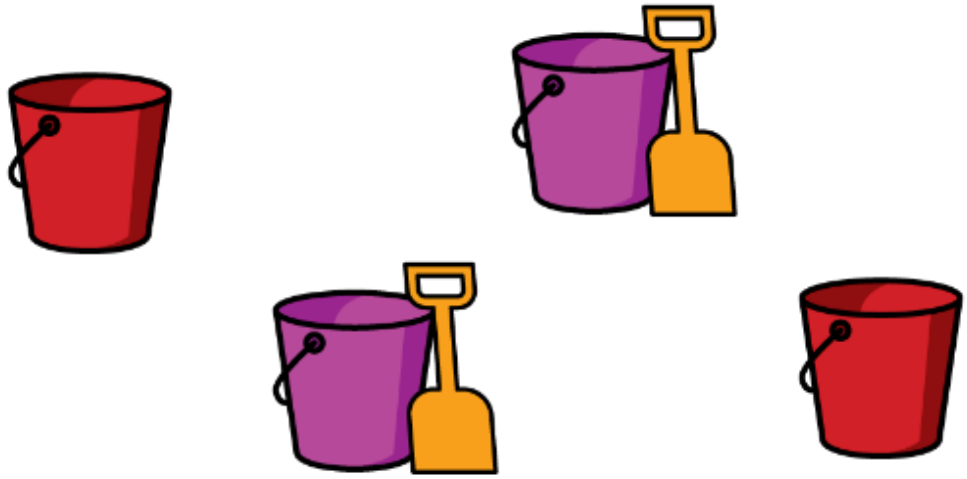
One less than _____ is 6

What pattern do you notice with the numbers?

What would the next sentence be?

There are 4 children going to the beach.

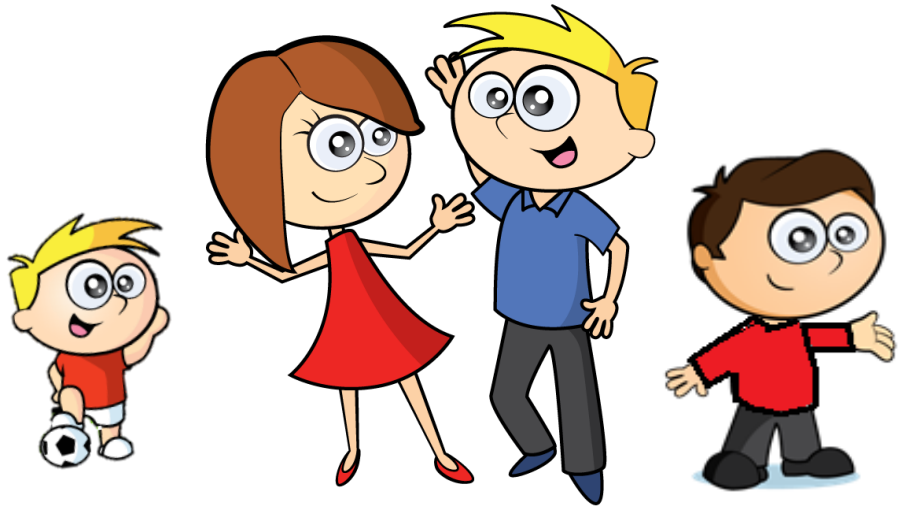
Can every child have a bucket and spade?



If not, why not?

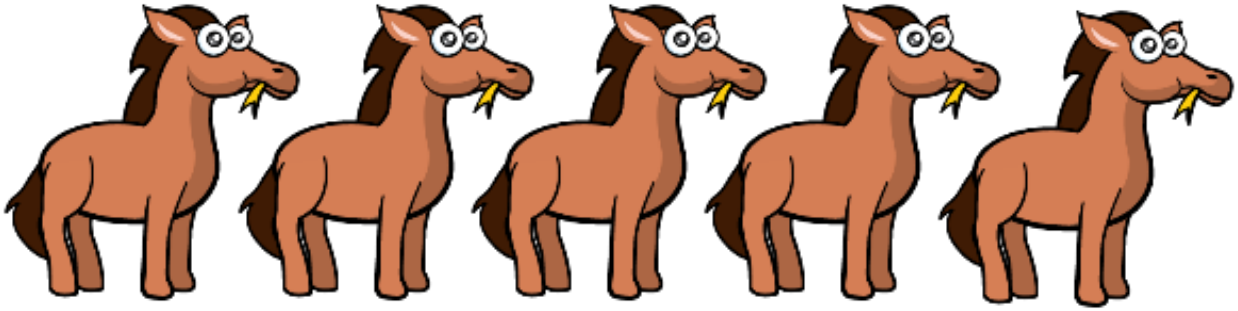
Can the family all travel in a 5 seater car?

Explain how you know.

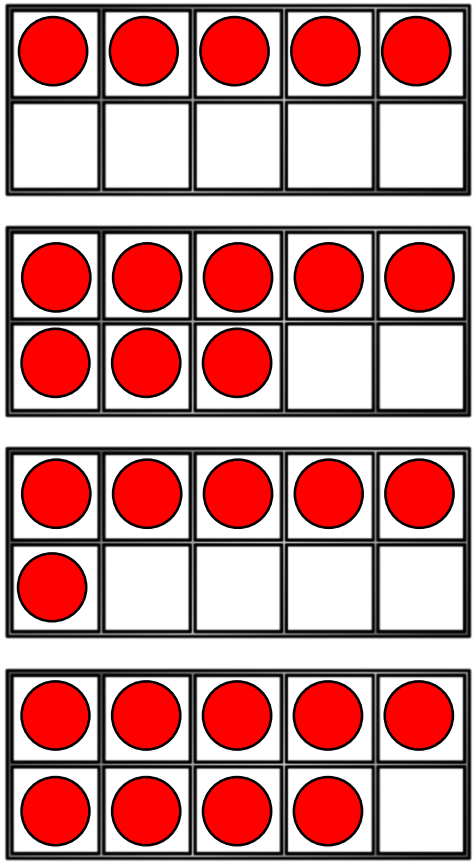


Which group of carrots matches the horses?

Explain why.

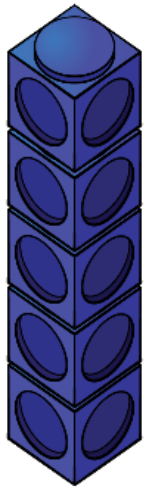


Move **three** counters so that all the ten frames show the **same** amount.



Create your own problem like this.

Whitney has this many cubes in one hand.



She has fewer cubes in the other hand.

How many cubes could she have in her other hand?

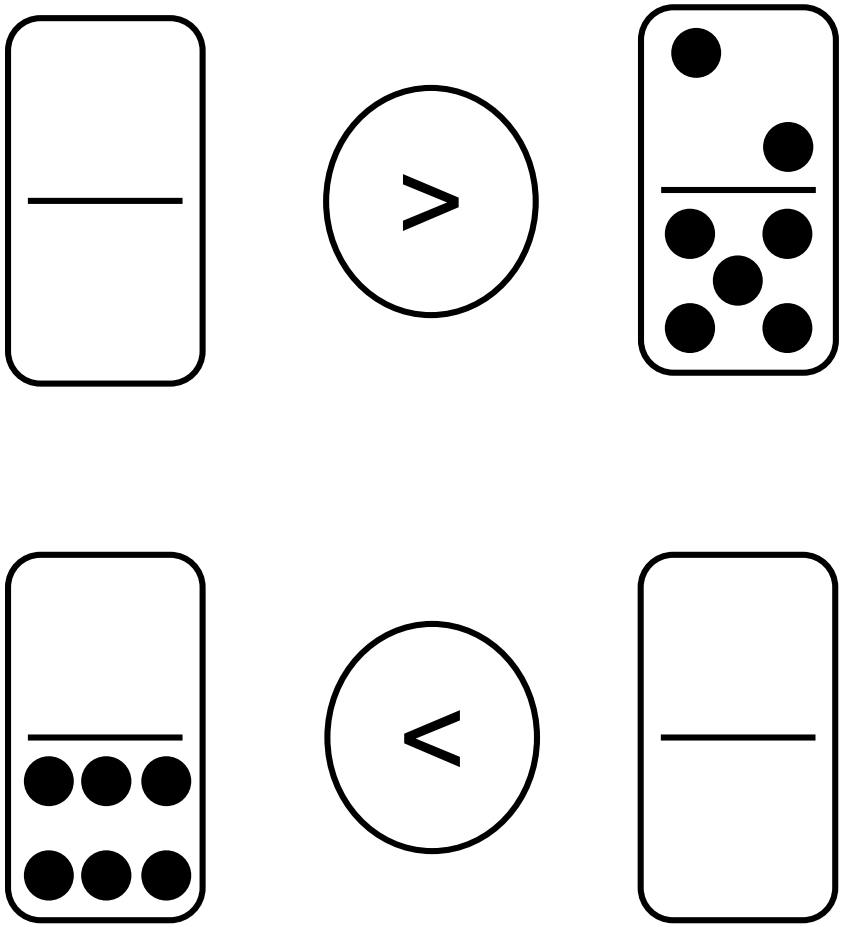
Circle all the numbers from the track that **cannot** go in the box.

Explain why.

$$6 < \square$$

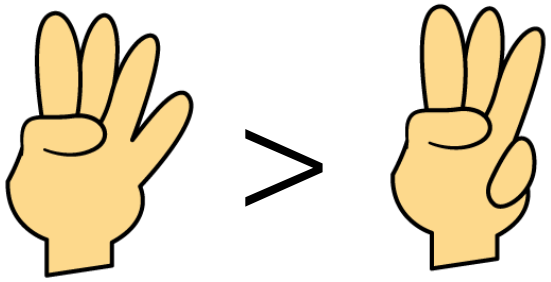
1	2	3	4	5	6	7	8	9

Complete the blank dominoes.



Game

- Both children make a fist.
- On 3, show some fingers.
- Use <, > or = to compare.



To extend:

- Can we move places to change the sign?
- How can we change fingers to use the '=' sign?
- Can we use two hands each?

One of these statements is incorrect.

Use cubes to prove which one.

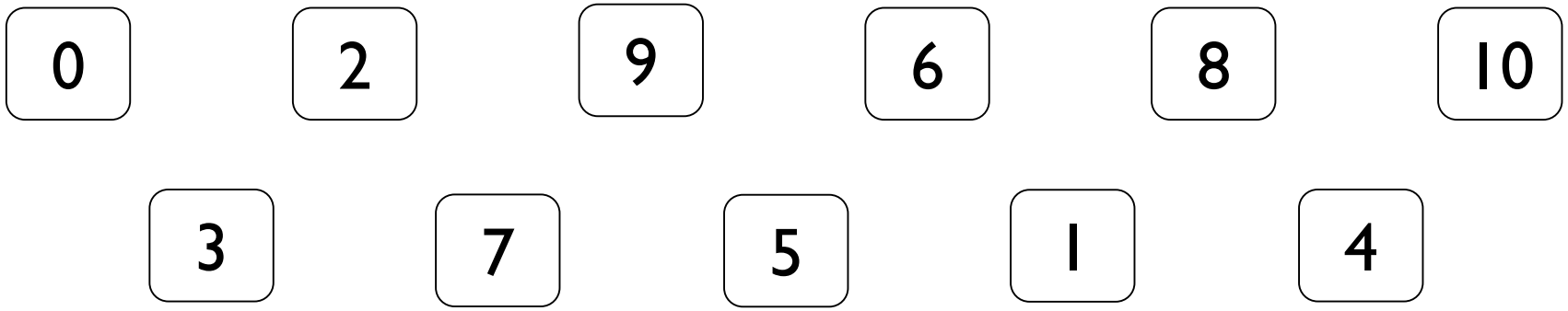
$8 > 4$

$7 < 10$

$3 > 6$

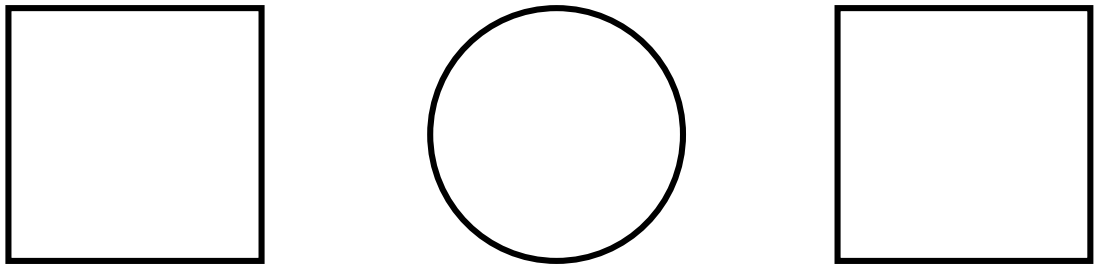
Using number cards 0 – 10, how many ways can you make the statement correct?

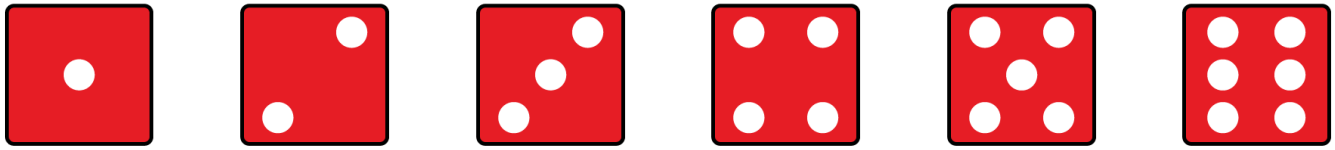
_____ is more than _____



Roll two dice and fill in the total in the blank boxes.

Choose the correct inequality symbol to compare the numbers.





Whitney is ordering these three ladybirds from the greatest amount of spots to least.

She says,

I can just compare the first two to work out the answer.

Do you agree? Explain why.

Jack has 6 flowers.

Rosie has more flowers than Jack.

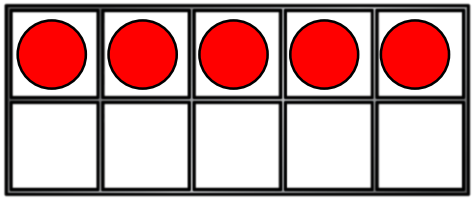
Amir has more flowers than Rosie.

Who has the least amount of flowers?

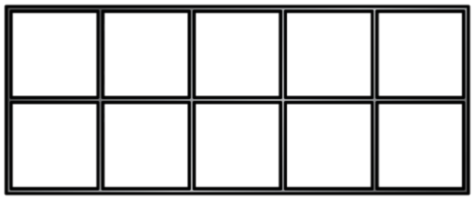
Draw counters on the ten frames so that they are ordered from greatest to smallest.

How many ways can you find?

Greatest



Smallest

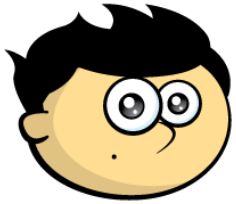


Use 10 cubes. Place them into 3 piles.

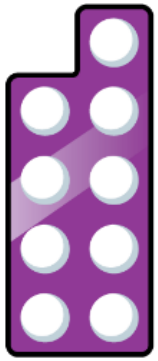
Order the piles from greatest to smallest.

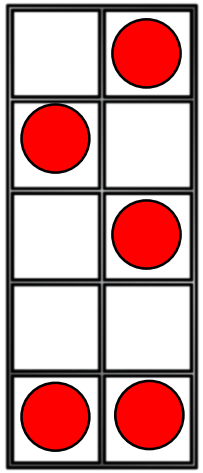
How many different ways can you find?

Jack says,



I have ordered the numbers from smallest to greatest.





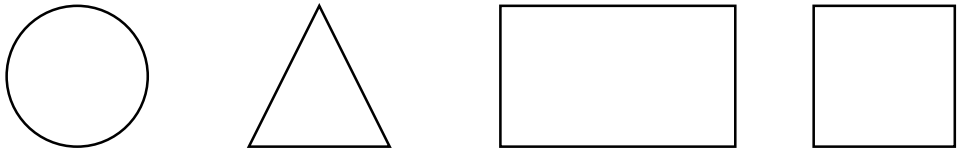
Do you agree with Jack?
Explain your reasoning.

Two children have used the instructions to make a pattern.

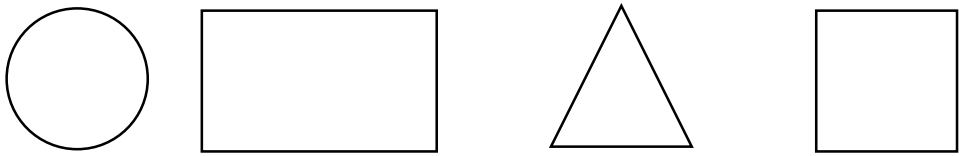
There are four shapes.	The first is a circle.
The last is a square.	The other two shapes are a triangle and a rectangle.

Here are their patterns.

Amir



Dora



Who is correct?

Tommy, Teddy and Alex take part in a race.
The results are:

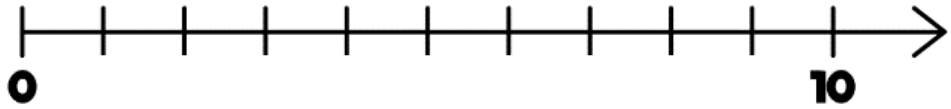
Teddy	Alex	Tommy
		
1st	2nd	3rd

Fill in the blanks:

Tommy finished behind _____.
Teddy finished in front of _____.
Alex finished in front of _____ but behind _____.

Game

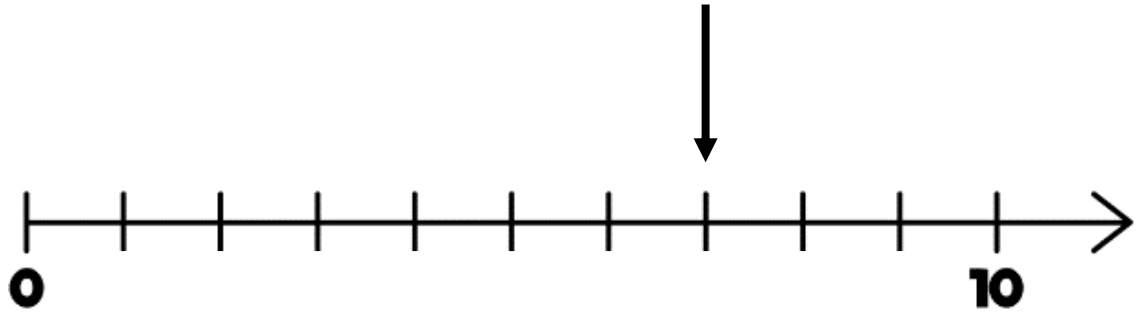
Roll a die. Place a counter on the number line covering the number shown by the die.
Work out how many jumps to 0 and how many to 10
Which is closer?



If you rolled a 6 and did three jumps, what numbers could you land on?

Can you roll a number where there are 7 and 3 jumps to 10 or 0?
Which numbers could they be?

Mo points to a number on the number line.



Which of these could **not** represent this number?