

05.02.20

LO: To interpret and draw block diagrams

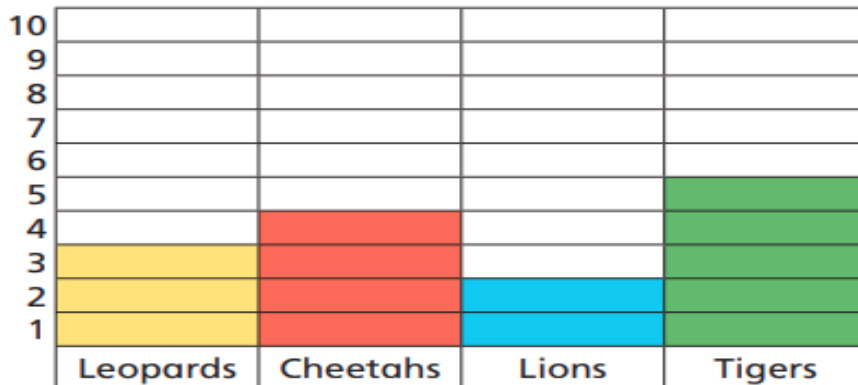


Mo keeps record of how many big cats he sees at the zoo.

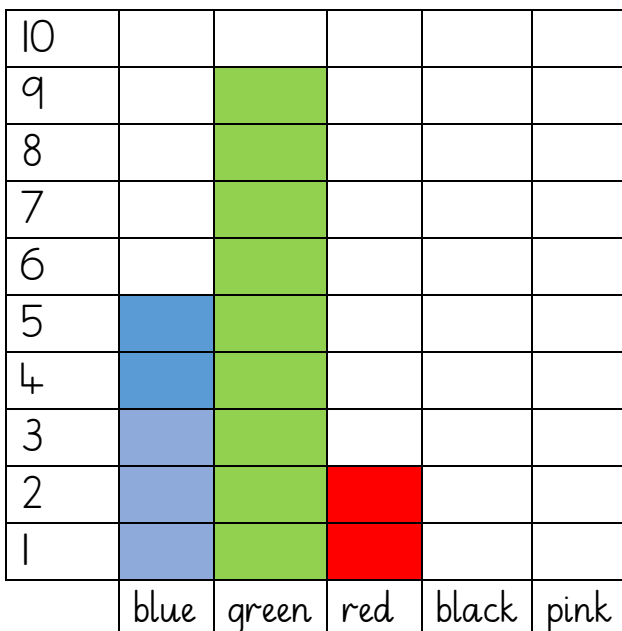
Big Cat		Key
Leopard		= 2 big cats
Cheetah		
Lion		
Tiger		

Dora tried to make a block diagram to represent the same data.

a) What mistake has she made? *Her mistake is...*



b) Complete the block diagram so it is correct.



I drew the number of blocks of each colour I had on a block diagram.

Can you work out how many black blocks I had from the clues and draw it on the block diagram?

I had an odd number of blocks.

I had less black blocks than green.

I had a greater number of black blocks than blue.

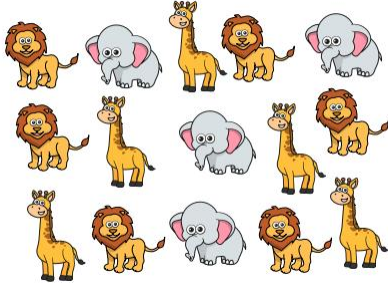
The number of blocks were equal to red and blue in total

Now choose your own number of pink blocks and write clues for a partner to guess how many you had!

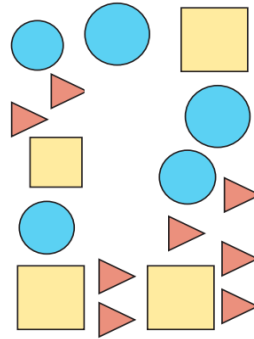
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Complete these block diagrams correctly showing how many of each there are in the pictures.



10			
9			
8			
7			
6			
5			
4			
3			
2			
1			
	lions	elephants	giraffes



10			
9			
8			
7			
6			
5			
4			
3			
2			
1			
	circle	square	triangle

10						
9	blue					
8	blue					
7	blue	green		black		
6	blue	green		black		
5	blue	green		black		
4	blue	green		black		orange
3	blue	green		black		orange
2	blue	green	red	black		orange
1	blue	green	red	black		orange
	blue	green	red	black	silver	orange

Silver has not been drawn yet. Mo said:

“There was more silver cars than red cars but fewer silver cars than orange cars.”

Draw the silver in pencil to complete the block diagram.

Complete these statements:

There were _____ blue cars.

There were _____ orange cars.

The least common colour car was _____

There was an equal number of _____ and _____ cars.

Now answer these questions:

How many red and orange cars were there? _____ How many green and silver cars altogether? _____

How many black and blue cars in total? _____ How many black, silver and orange cars? _____

Charley read this block diagram showing children's favourite colours.

Altogether, more people liked orange and blue as their favourite colours than yellow and red.

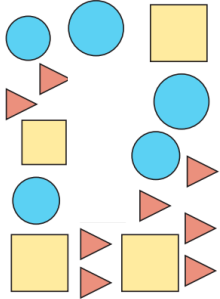
Is she correct? She is/is not correct because...

14				
13				
12				
11	yellow			
10	yellow			
9	yellow	orange		blue
8	yellow	orange		blue
7	yellow	orange		blue
6	yellow	orange		blue
5	yellow	orange	red	blue
4	yellow	orange	red	blue
3	yellow	orange	red	blue
2	yellow	orange	red	blue
1	yellow	orange	red	blue
	Yellow	Orange	Red	Blue

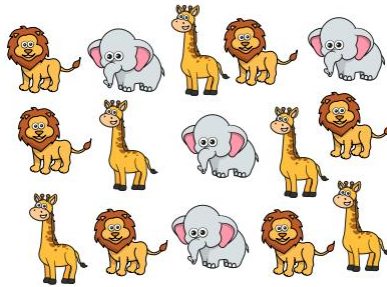
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LO: To interpret and draw block diagrams

Complete the block diagrams correctly show how many there is of each picture.



10			
9			
8			
7			
6			
5			
4			
3			
2			
1			
	circles	squares	triangles



10			
9			
8			
7			
6			
5			
4			
3			
2			
1			
	lions	elephants	giraffes

10						
9	blue					
8	blue					
7	blue	green		black		
6	blue	green		black		
5	blue	green		black		
4	blue	green		black		orange
3	blue	green		black		orange
2	blue	green	red	black		orange
1	blue	green	red	black		orange
	blue	green	red	black	silver	orange

Silver has not been drawn yet. Mo said:
 "There was one less silver car than red car"

Complete these statements:
 There were ____ blue cars.
 There were ____ orange cars.
 The least common colour car was ____
 There was an equal number of ____ and ____ cars.

Now answer these questions:

How many black cars were spotted in total? _____ How many red cars did he see? _____

How many red and orange cars were there? _____. How many green and silver cars altogether? _____

Charley read this block diagram showing children's favourite colours.

The same number of people chose orange and blue as their favourite colour.

14				
13				
12				
11	yellow			
10	yellow			
9	yellow	orange		blue
8	yellow	orange		blue
7	yellow	orange		blue
6	yellow	orange		blue
5	yellow	orange	red	blue
4	yellow	orange	red	blue
3	yellow	orange	red	blue
2	yellow	orange	red	blue
1	yellow	orange	red	blue
	Yellow	Orange	Red	Blue

Is she correct? She is/is not correct because...