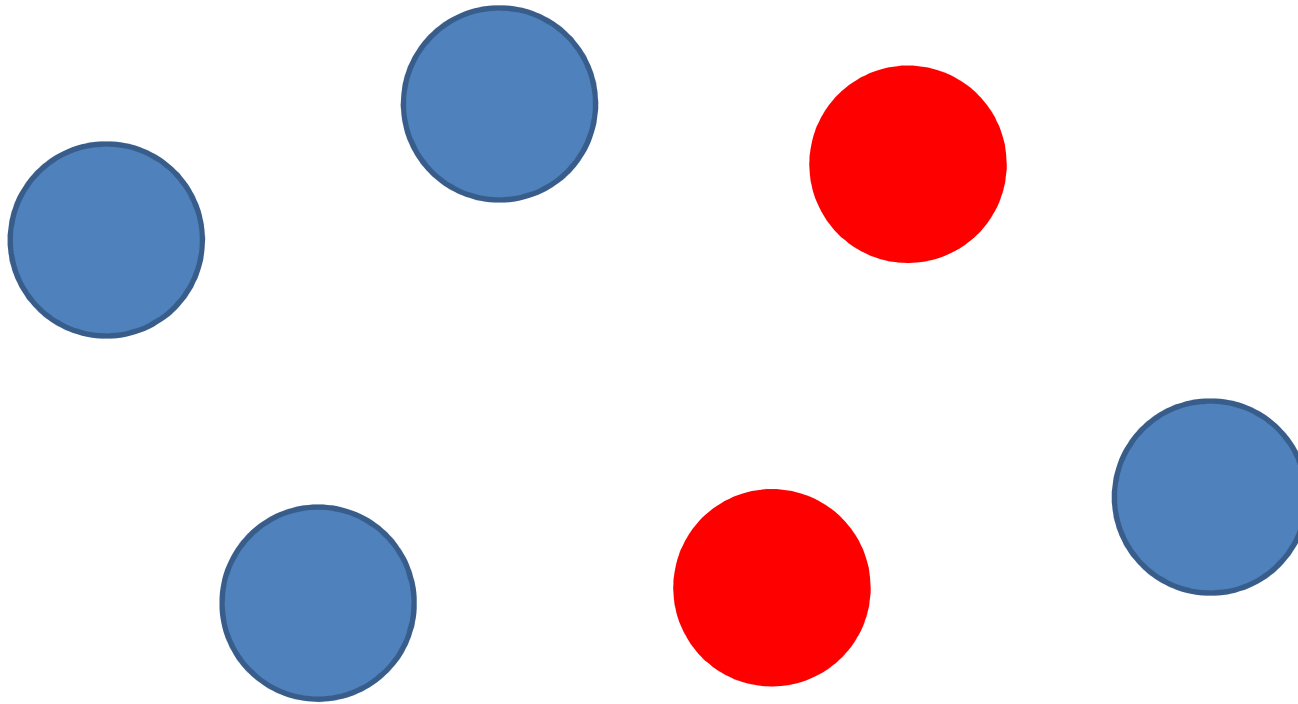


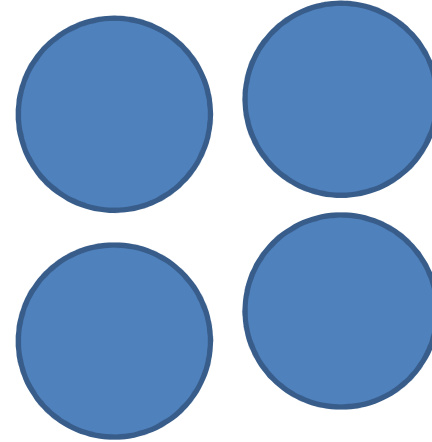
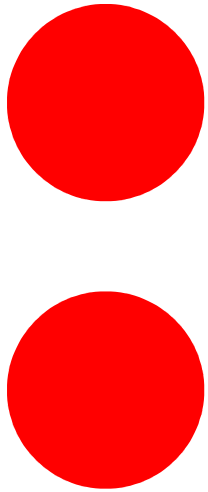
Ratio

What is Ratio?



What is the ratio of red dots to blue dots?

2 red dots to 4 blue dots.

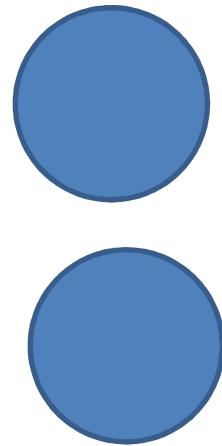
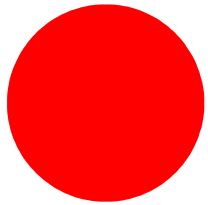


How else can you write it?

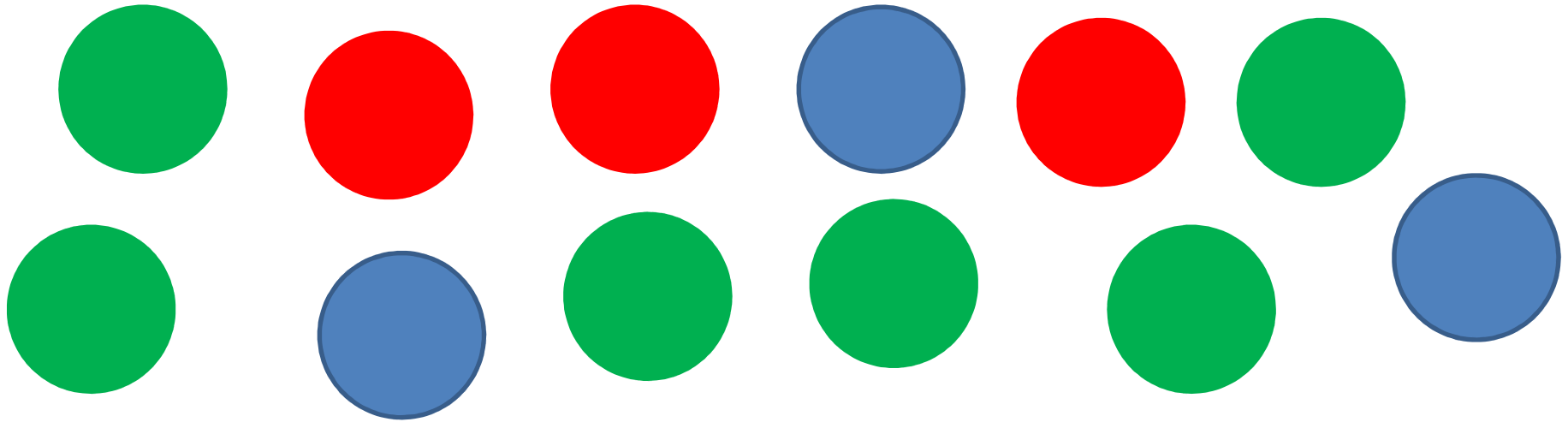
Can you simplify it?

2:4

1 red dot to 2 blue dots.

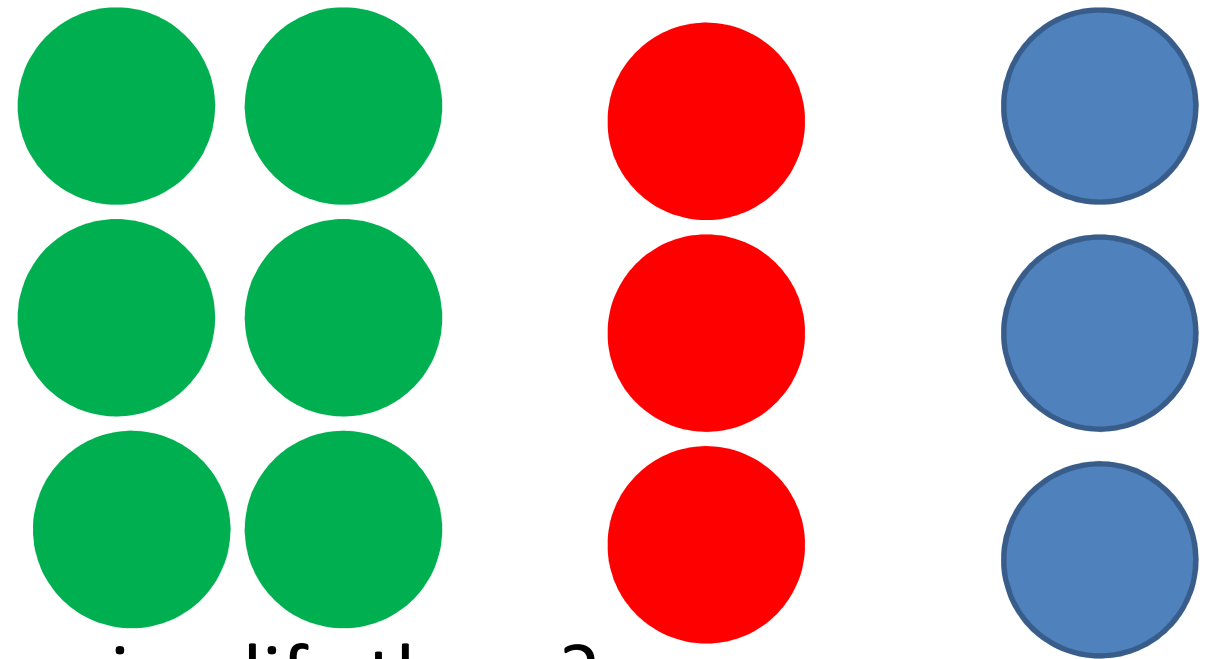


1:2



- What is the ratio of blue to red dots?
- What is the ratio of blue to green dots?
- What is the ratio of green to blue dots?
- What is the ratio of green to blue to red dots?

- We have 3 blue to 3 red. 3:3
- We have 3 blue to 6 green. 3:6
- We have 6 green to 3 red. 6:3
- Which means we have 3 blue to 3 red to 6 green.



- Can you simplify these?
- How else can you write it?

1 bag of apples contains



What is the ratio?

Red:green

3:2

2 bags of apples contains?



What is the ratio?

Red:green

6:4

Look for the common factor
which is 2.

3:2

What happens if we have 5 bags?

This becomes too much to draw so we need to use a written method.

Can you complete the ratio reckoning machine?



Number of bags	Red apples	Green apples
1	3	2
2	6	
3		6
4		
5	15	

Use repeated addition

Check your answers.

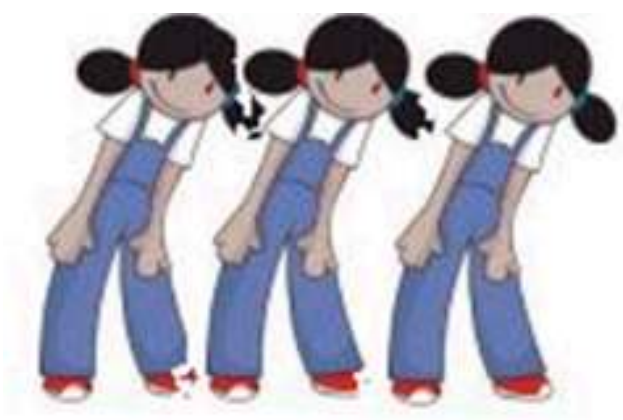


Number of bags	Red apples	Green apples
1	3	2
2	6	4
3	9	6
4	12	8
5	15	10

- In a class of **25** children girls outnumber boys by **3 to 2**.
- How many girls are in the class?

Girls : Boys

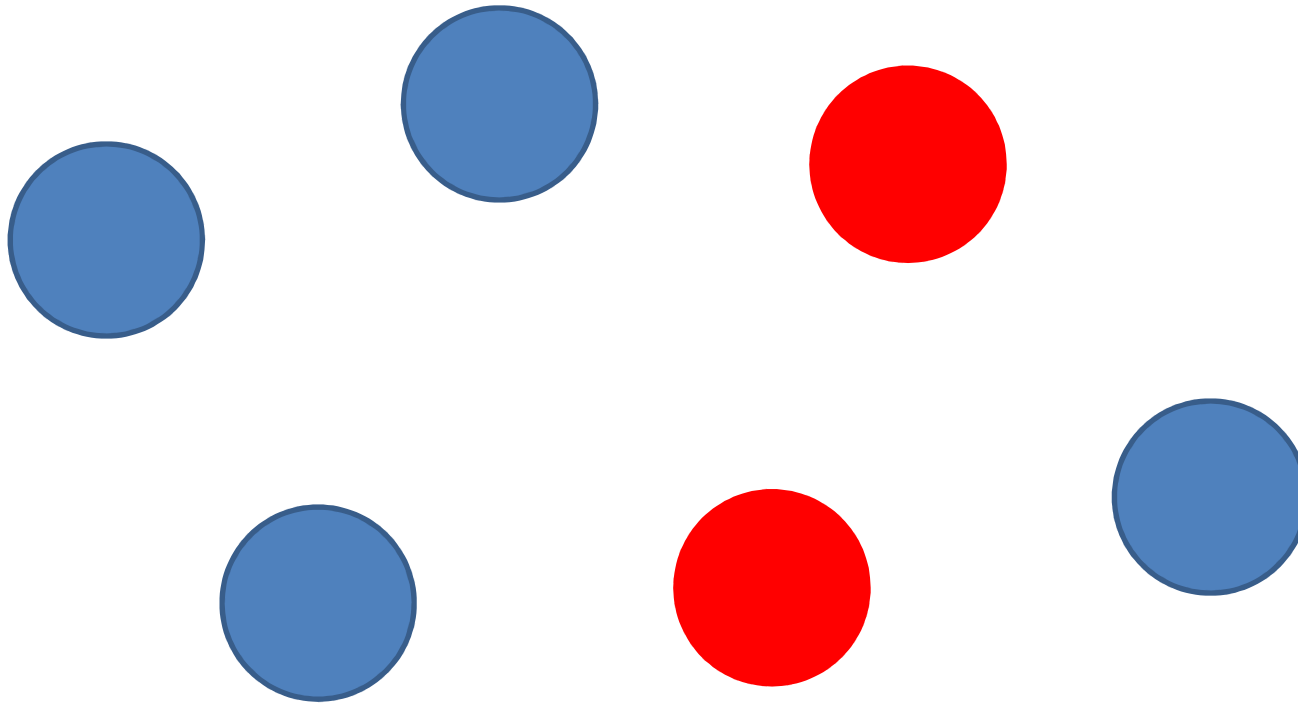
3:2



Girls	Boys	Total
3	2	

Girls	Boys	Total
3	2	5
6	4	10
9	6	15
12	8	20
15	10	25

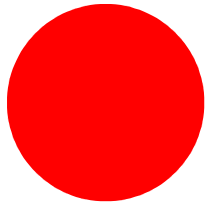
Proportion



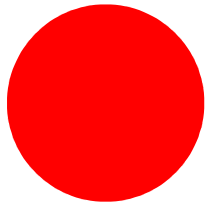
What is the proportion of red dots?
What is the proportion of blue dots?

The proportion of red dots is 2 out of 6.

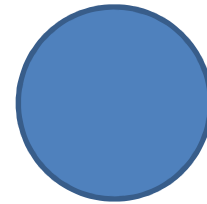
The proportion of blue dots is 4 out of 6.



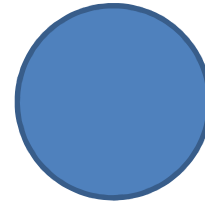
$2/6$



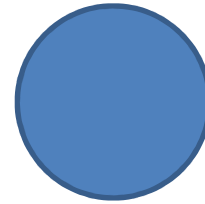
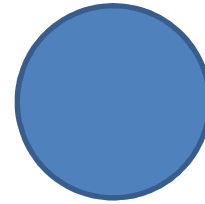
$1/3$

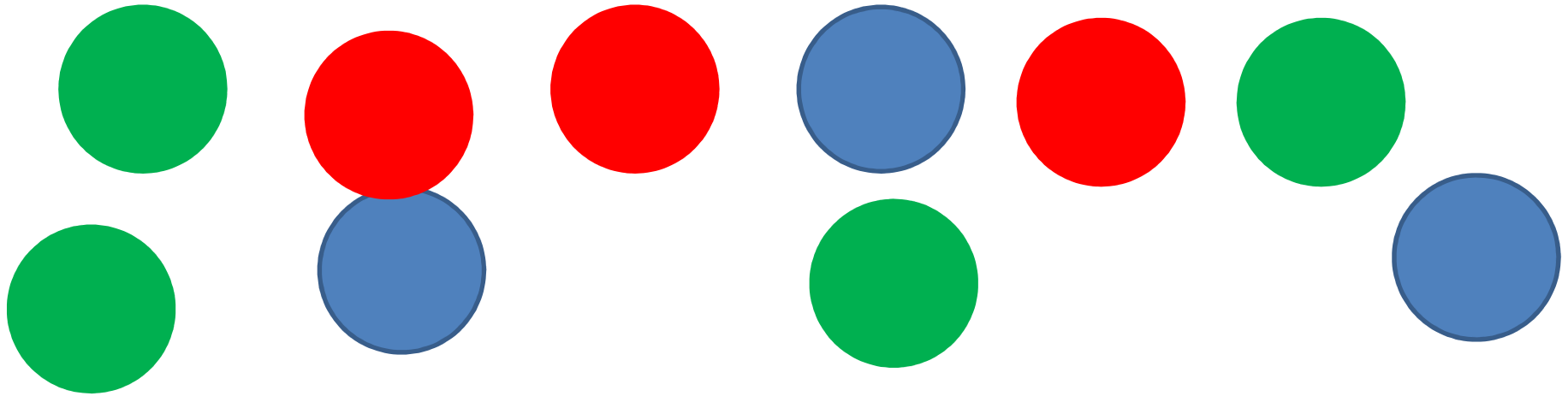


$4/6$



$2/3$





- What is the proportion of red dots?
- What is the proportion of green dots?
- What is the proportion of blue dots?

- The proportion of red dots is 3 out of 10. $3/10$
- The proportion of blue dots is 3 out of 10.. $3/10$
- The proportion of green dots is 4 out of 10. $4/10$
 $2/5$

