

Spring: Block Six

Ratio

Lesson One:

Lesson Objective: To use language associated with ratio.

ANCHOR TASK:

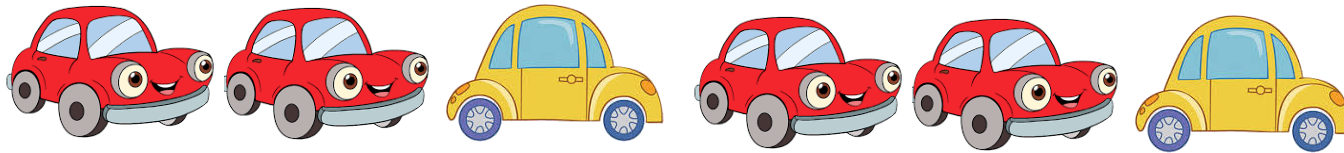
You have five minutes. Complete the grid.

Name: _____

X	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

MATHEMATICAL FLUENCY:

Ratio is used to show the relationship between two amounts.



So in this example, for every two red cars there is one yellow car.

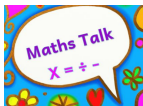
MATHEMATICAL FLUENCY:

Complete the sentences.



For every red car there are yellow cars.

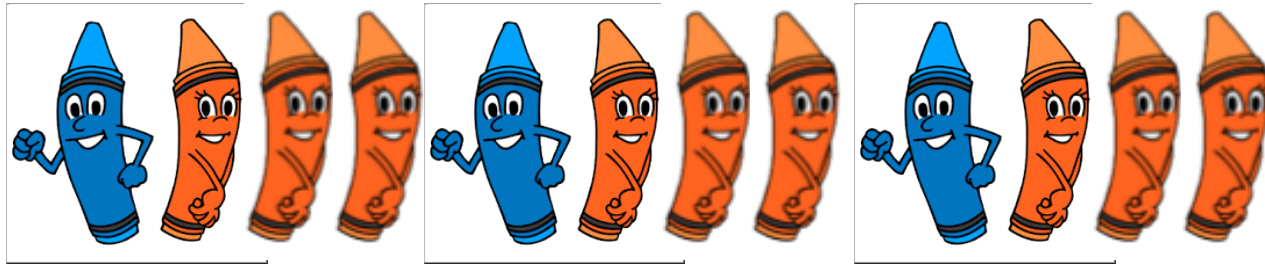
For every two yellow cars, there are red cards.



If I removed one of each coloured car, how would the sentences change?

MATHEMATICAL FLUENCY:

Complete the sentences.



For every blue crayon there are orange crayons.

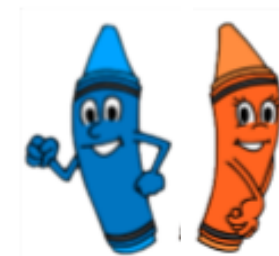
For every three yellow crayons, there is red crayon.



If I removed six orange crayons, how would the sentences change?

MATHEMATICAL FLUENCY:

Complete the sentences.



For every blue crayon there are orange crayons.

For every three yellow crayons, there is red crayon.



If I removed orange crayons, how would the sentences change?

MATHEMATICAL FLUENCY:

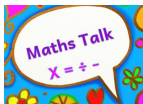
Rearrange the cars to help you complete the sentences.



For every _____ red car , there are _____ yellow cars.

For every 2 red cars , there is _____ yellow car.

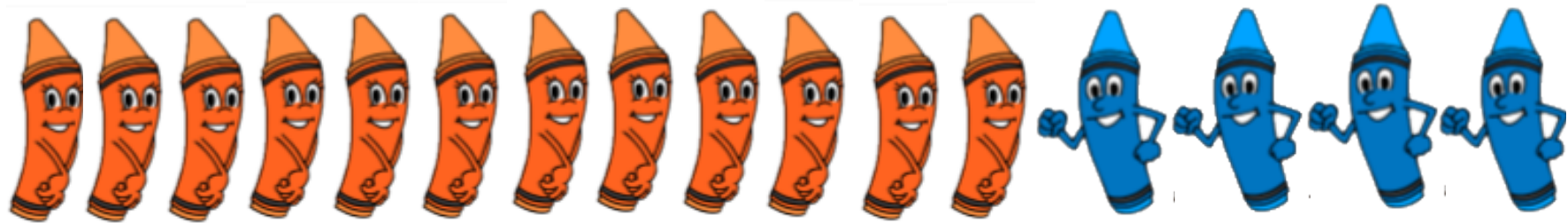
For every 9 red cars , there would be _____ yellow cars.



How can we use the original statement to predict the amount of cars there would be?

MATHEMATICAL FLUENCY:

Complete the sentences.



For every ____ orange crayons , there are ____ blue crayons.

For every 4 orange crayons , there is ____ blue crayon.

For every 8 orange crayons , there would be ____ blue crayons. .

MATHEMATICAL FLUENCY:

Complete the sentences .



The ratio of mugs to glasses is: :



In which space do we put the amount of mugs? In which space do we put the amount of glasses?

MATHEMATICAL FLUENCY:

Complete the sentences .



The ratio of phones to binoculars is: :



In which space do we put the amount of phones? In which space do we put the amount of binoculars?

MATHEMATICAL FLUENCY:

Complete the sentences .



The ratio of t-shirts to shirts is: :



In which space do we put the amount of t-shirts? In which space do we put the amount of shirts?

MATHEMATICAL FLUENCY:

Take the boys and girls in your classroom.

How many for every..... sentences can you write?

REASONING AND PROBLEM SOLVING:

Harry lays tiles in the following pattern:



If he has 24 yellow tiles and 23 red tiles can he continue his pattern without there being any tiles left over?
Explain why.

REASONING AND PROBLEM SOLVING:

True or False



- For every strawberry there are 3 bananas cubes.
- For every 2 bananas there is 1 strawberry.
- For every 4 bananas there would be 2 strawberries.
- For every 15 cubes, 30 would strawberries.