

**Week 17**

**Wednesday 15th July 2020**

**Year 5 Using Ratio - Reasoning and Problem Solving**

\*As ratio is mainly a year 6 objective, you only have **D** and **E** to complete.

## Using Ratio Language

1a. Iqra has some fruit.



She says,



There are 2 pears for every 4 apples.

Is she correct? Explain how you know.



## Using Ratio Language

1b. Emmie has some toys.



She says,



There are 4 balls for every 3 ducks.

Is she correct? Explain how you know.



2a. Jaiden has a bag of chocolate and strawberry sweets.

There are 10 sweets altogether.

If there are 3 chocolate sweets, write a sentence to show the ratio of chocolate to strawberry sweets.



2b. Isaac has a bag of orange and lime sweets.

There are 8 sweets altogether.

If there are 2 orange sweets, write a sentence to show the ratio of orange to lime sweets.



3a. Max and Felix are looking at the relationship between circles and squares.



Max thinks that there are 2 circles for every 5 squares.

Felix thinks that there is 1 circle for every 5 squares.

Who is correct? Explain how you know.



3b. Lucy and Hafsa are looking at the relationship between circles and squares.



Lucy thinks that there are 3 circles for every 4 squares.

Hafsa thinks that there are 4 circles for every 3 squares.

Who is correct? Explain how you know.



## Using Ratio Language

4a. Pippa has a bag of balloons.

There are 3 blue balloons for every 6 green balloons.

She says,



If there was just 1 blue balloon, there would be 4 balloons in total.

Is she correct? Explain how you know.



## Using Ratio Language

4b. Millie has a bag of sweets.

There are 6 pink sweets for every 8 orange sweets.

She says,



If there were 3 pink sweets, there would be 5 sweets in total.

Is she correct? Explain how you know.



5a. Jake has a bag of shopping containing apples and pears.

There are 14 pieces of fruit altogether.



Write 3 different sentences which show the possible ratios of the fruit.



5b. Yusuf has a bag of shopping containing bananas and plums.

There are 20 pieces of fruit altogether.



Write 3 different sentences which show the possible ratios of the fruit.



6a. Jaxon and Kai are looking at the relationship between strawberries and lemons.



Jaxon thinks that if there was 1 lemon, there would be 2 strawberries.

Kai thinks that if there was 1 strawberry, there would be 2 lemons.

Who is correct? Explain how you know.



6b. Isla and Ivy are looking at the relationship between tomatoes and chillies.



Isla thinks that if there were 3 chillies, there would be 2 tomatoes.

Ivy thinks that if there were 1 tomato, there would be 2 chillies.

Who is correct? Explain how you know.

