Wednesday 17th June Year 5/6: Introducing the Ratio Symbol



Introduction

Zack discovered these footprints in the forest.

Complete the statements.

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For every three footprints with four toes, there are _____ footprints with three toes.

For every two footprints with two toes, there are three footprints with _____ toes. Introduction

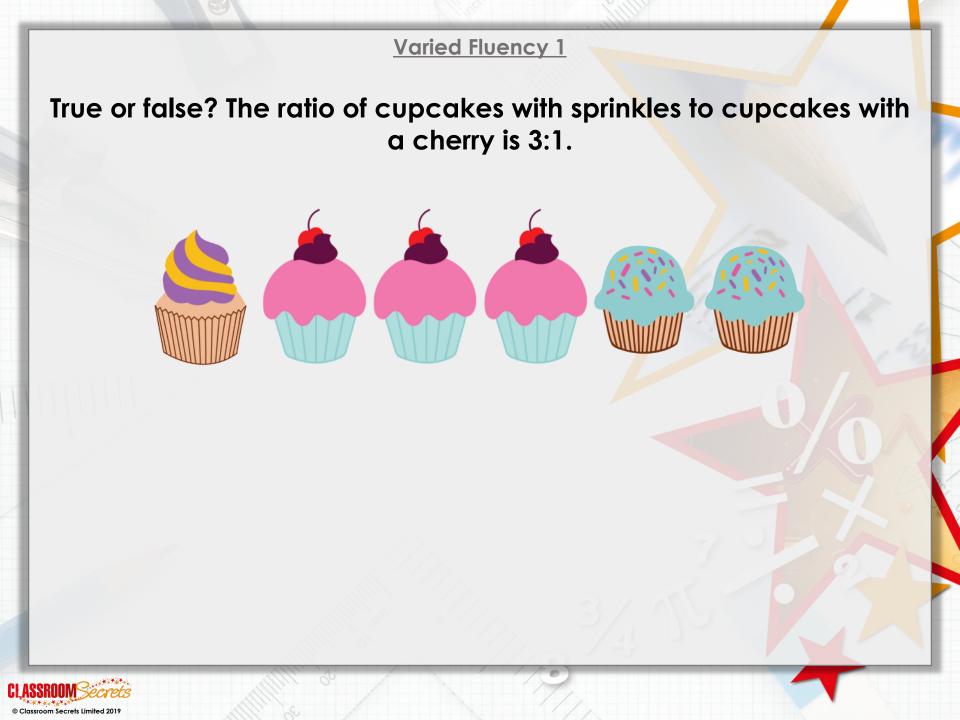
Zack discovered these footprints in the forest.

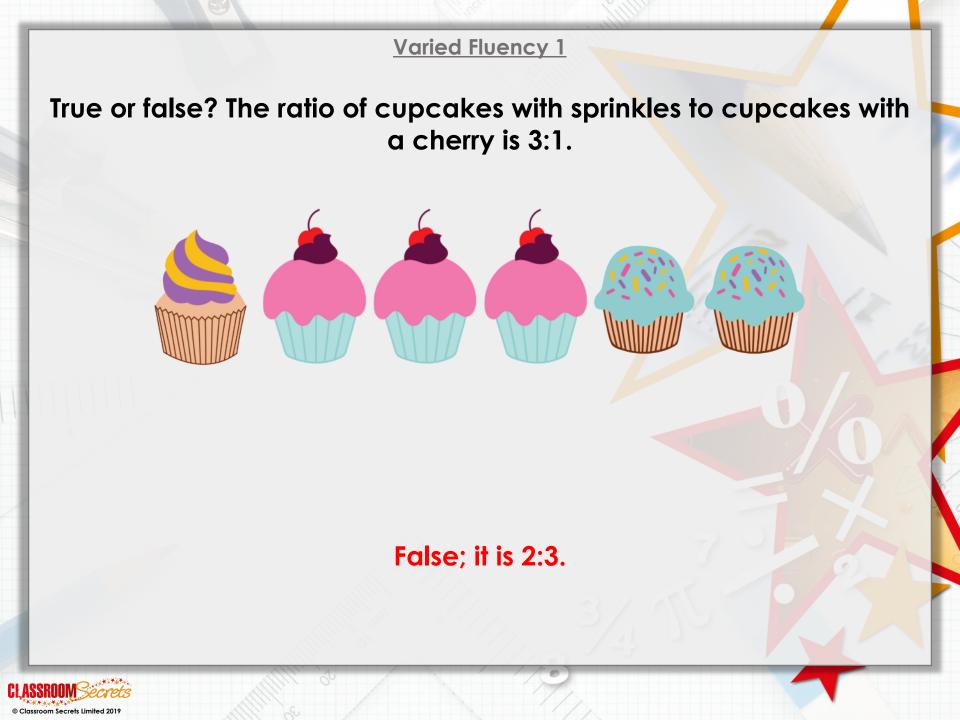
Complete the statements.

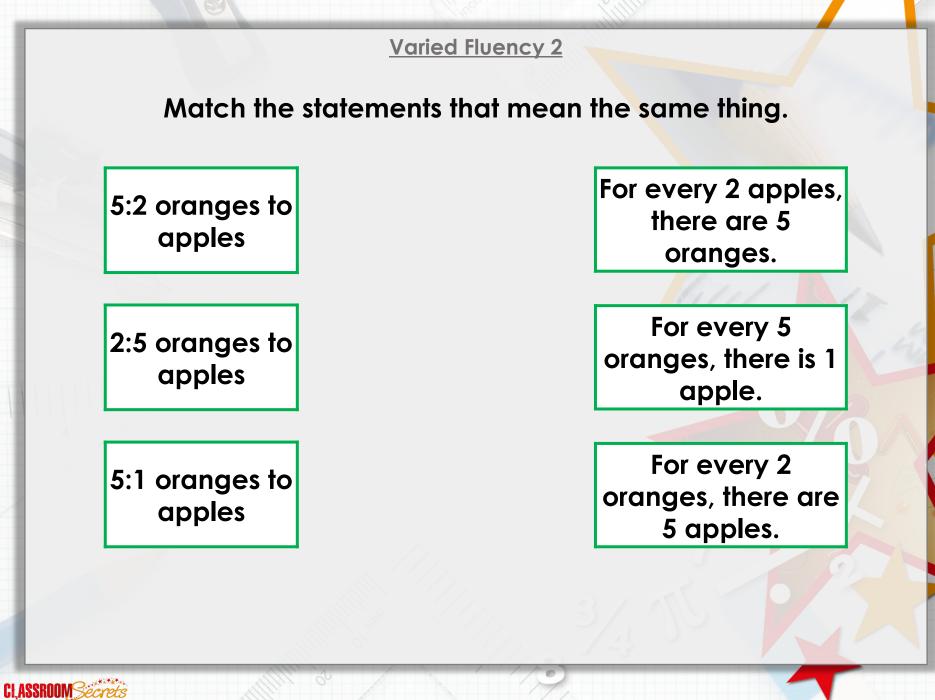
For every three footprints with four toes, there are five footprints with three toes.

For every two footprints with two toes, there are three footprints with four toes.

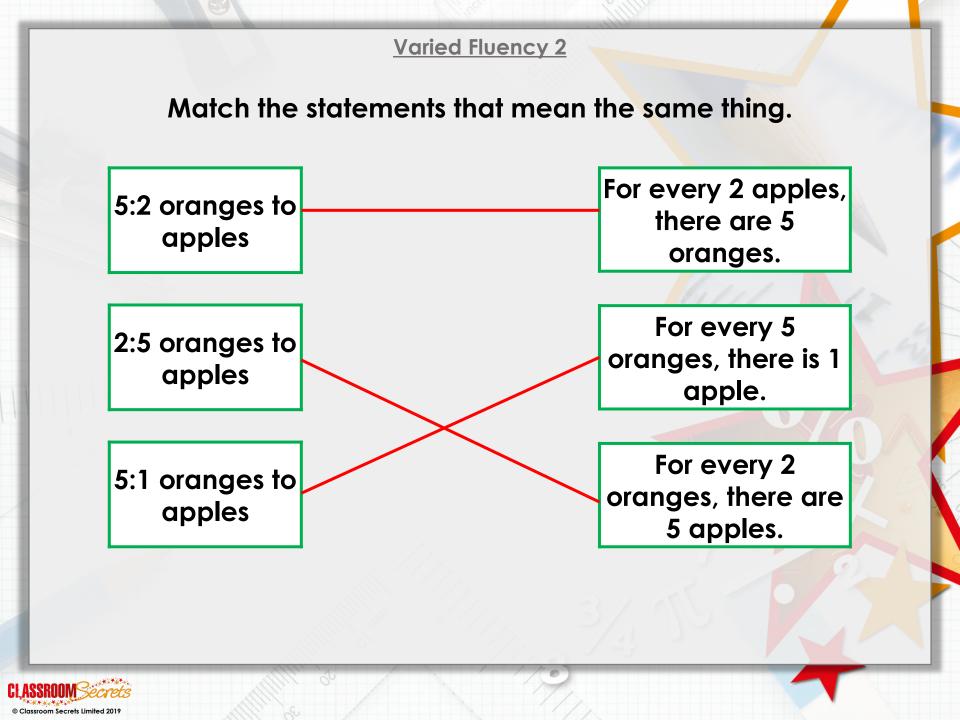


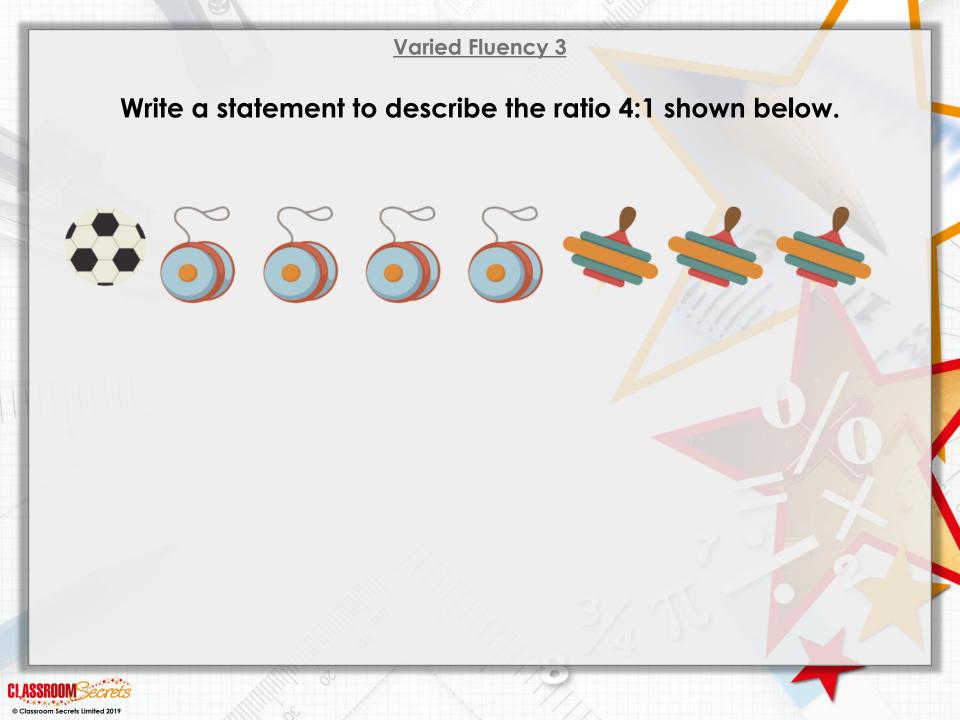






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Write a statement to describe the ratio 4:1 shown below.

There are 4 yoyos for every football.





Circle the odd one out by matching the ratios to the description.

A A A A A A

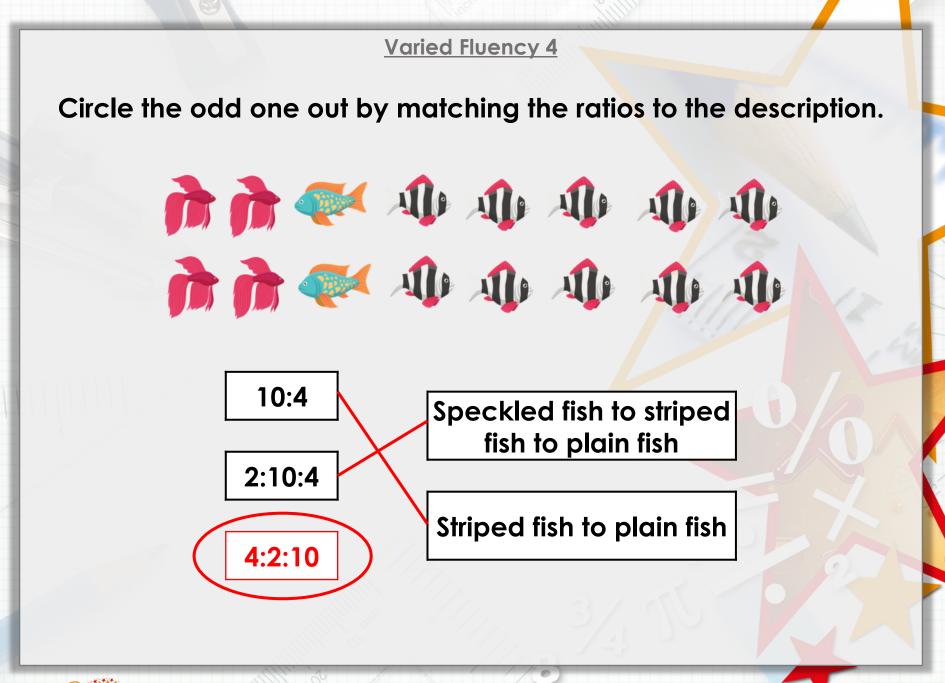
4:2:10

fish to plain fish

Striped fish to plain fish

Speckled fish to striped



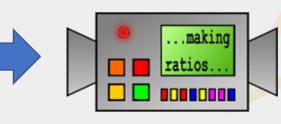


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Reasoning 1

This machine turns sentences into ratios.

For every 5 red cars, there is 1 blue car. There are three times as many white cars as blue cars.



2:3:5

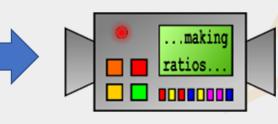
Could this ratio be correct? Convince me.



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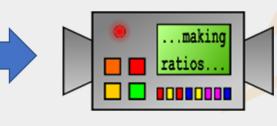
No because...



Reasoning 1

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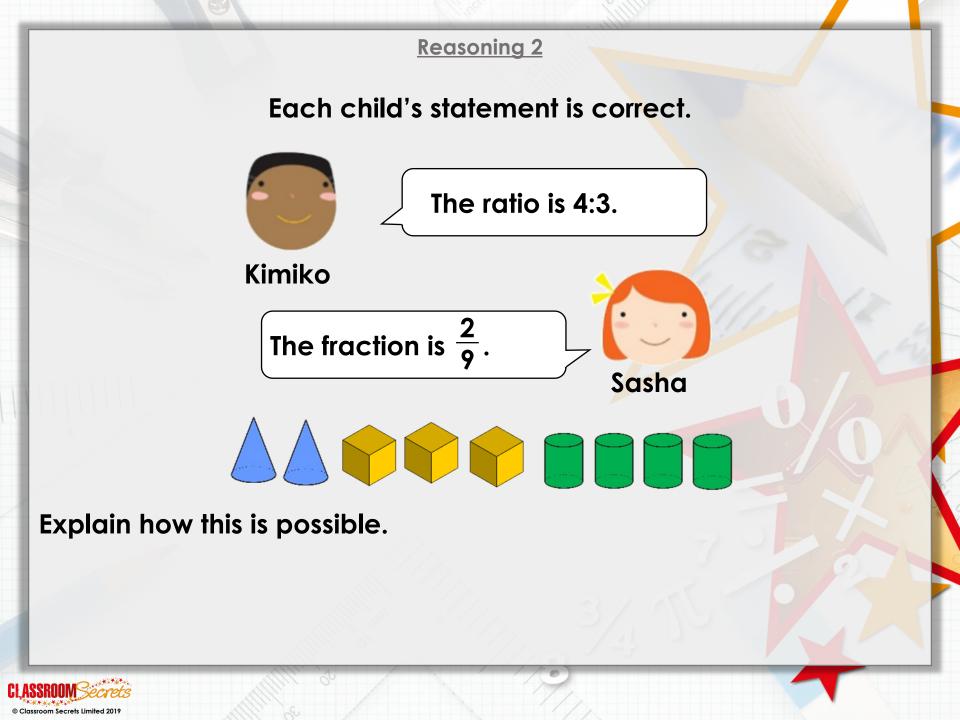


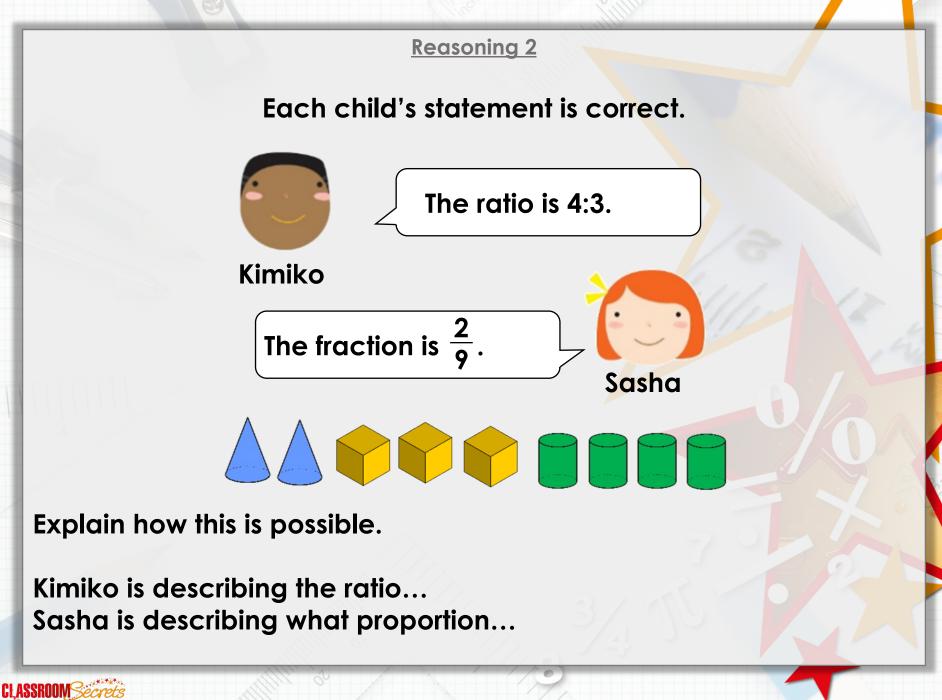
2:3:5

Could this ratio be correct? Convince me.

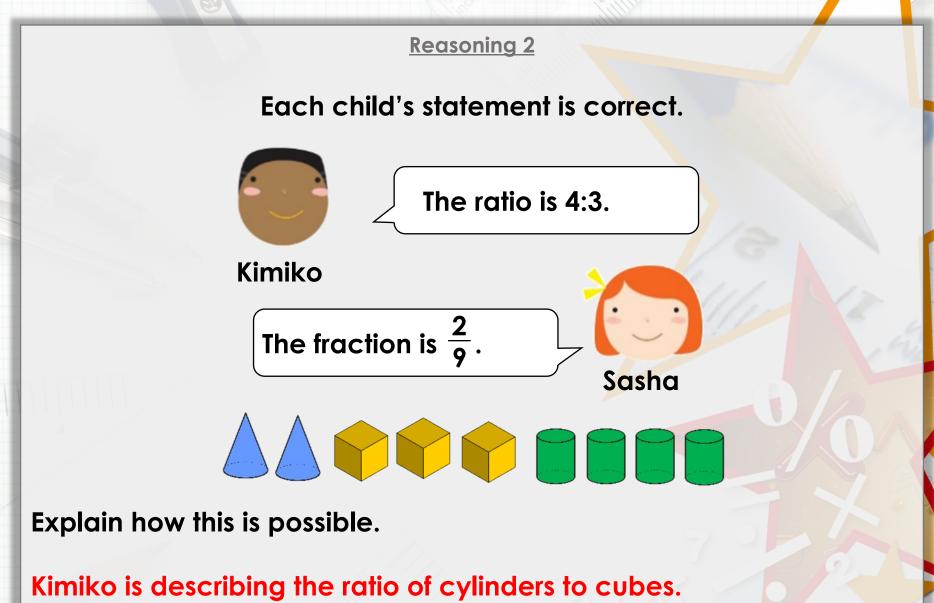
No because the ratio of red cars to blue cars to white cars would be 5:1:3.







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Sasha is describing what proportion of the shapes are cones.



Problem Solving 1

In a box of 15 chocolates, $\frac{3}{5}$ are milk chocolate. The rest are white or dark chocolate.

Write down three solutions for the possible ratio of white to milk to dark chocolate.

Draw counters to support your answers.



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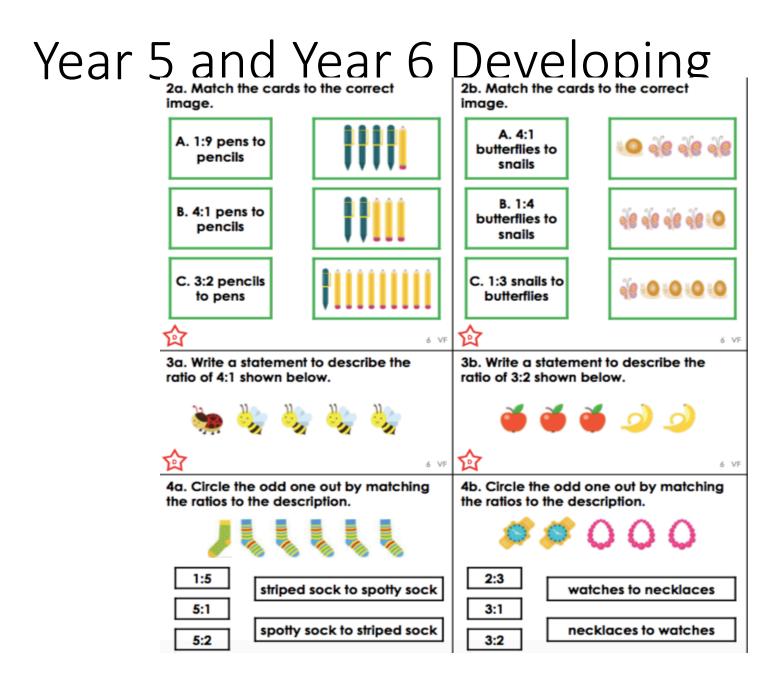
Write down three solutions for the possible ratio of white to milk to dark chocolate.

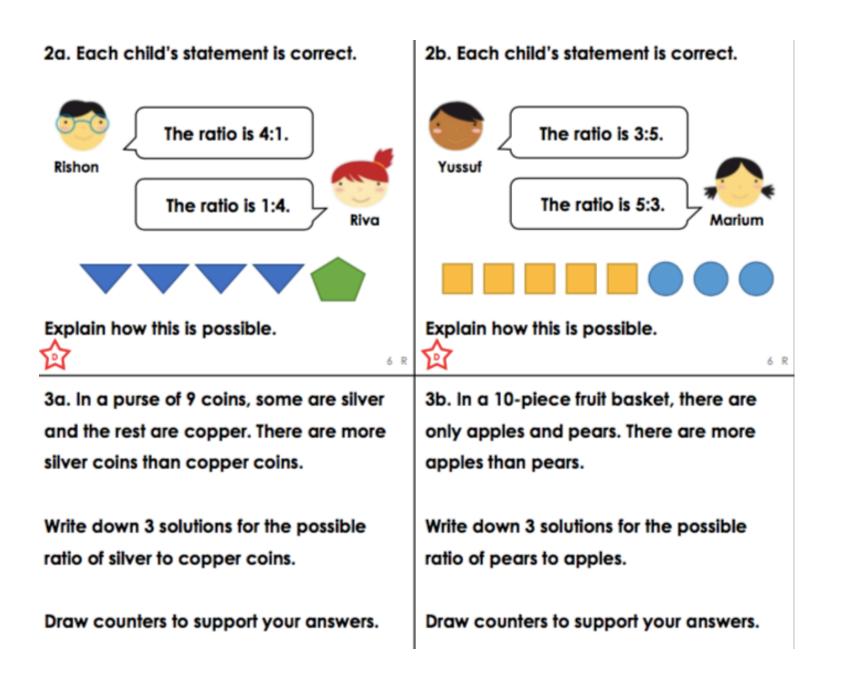
Draw counters to support your answers.

Possible answers include: 1:9:5, 2:9:4, 3:9:3, 4:9:2, 5:9:1

DMMMMMMMMWWWW

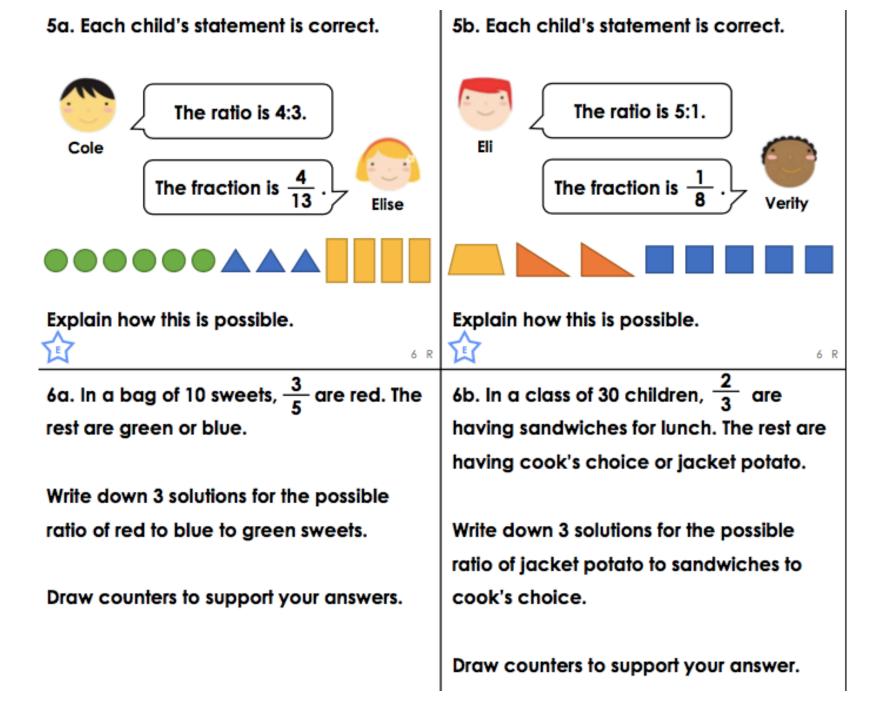






Yе	/ear 6 Expected							
		ne ratio of bananas to	5b. True or false? The ratio of snails to butterflies is 2:4.					
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		6 VF	合	6 VF				
	6a. Match the state same thing.	ments that mean the	6b. Match the statements that mean the same thing.					
	A. 1:2 red counters to blue counters	 There are twice as many blue counters as red counters. 	A. 3:7 pens to pencils	1. There are four times as many pens as pencils.				
	B. 3:2 red counters to blue counters	2. For every 2 blue counters, there are 3 red counters.	B. 7:3 pens to pencils	2. For every 7 pens, there are 3 pencils.				
	C. 2:3 red counters to blue counters	3. For every 2 red counters, there are 3 blue counters.	C. 1:4 pencils to pens	3. For every 3 pens, there are 7 pencils.				
	合	6 VF	合	6 VF				
	7a. Write a stateme ratio of 6:8 shown b		7b. Write a statement to describe the ratio of 2:4 shown below.					
		M ** * *						
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V



Year 6 Greater Depth							
9a. True or false? The watches to necklac	-	9b. True or false? The ratio of cars to buses to lorries is 3:2:1.					
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	6 VF	合	6 VF				
10a. Match the state same thing.	ements that mean the	10b. Match the statements that mean the same thing.					
A. 1:3:5 apples to oranges to pears	1. For every apple, there are 2 oranges and 4 pears.	A. 3:5:1 teas to coffees to hot chocolates	1. For every tea, there are 5 hot chocolates and 4 coffees.				
B. 5:3:1 apples to pears to oranges	2. For every apple, there are 5 pears and 3 oranges.	B. 1:4:5 teas to coffees to hot chocolates	2. For every tea, there are 5 hot chocolates and 3 coffees.				
C. 1:2:4 apples to oranges to pears	3. For every orange, there are 5 apples and 3 pears.	C. 5:1:3 hot chocolates to teas to coffees	3. For every hot chocolate, there are 3 teas and 5 coffees.				
	6 VF	会	6 VF				
11a. Write a stateme ratio of 1:3:4 shown		11b. Write a statement to describe the ratio of 4:1:3 shown below.					
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