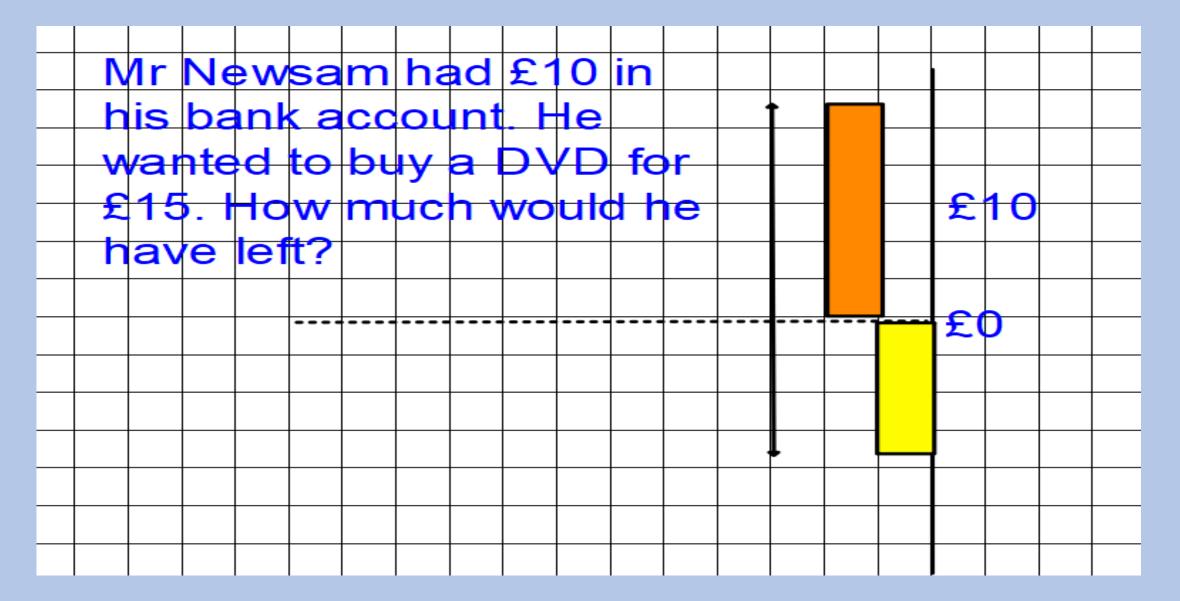
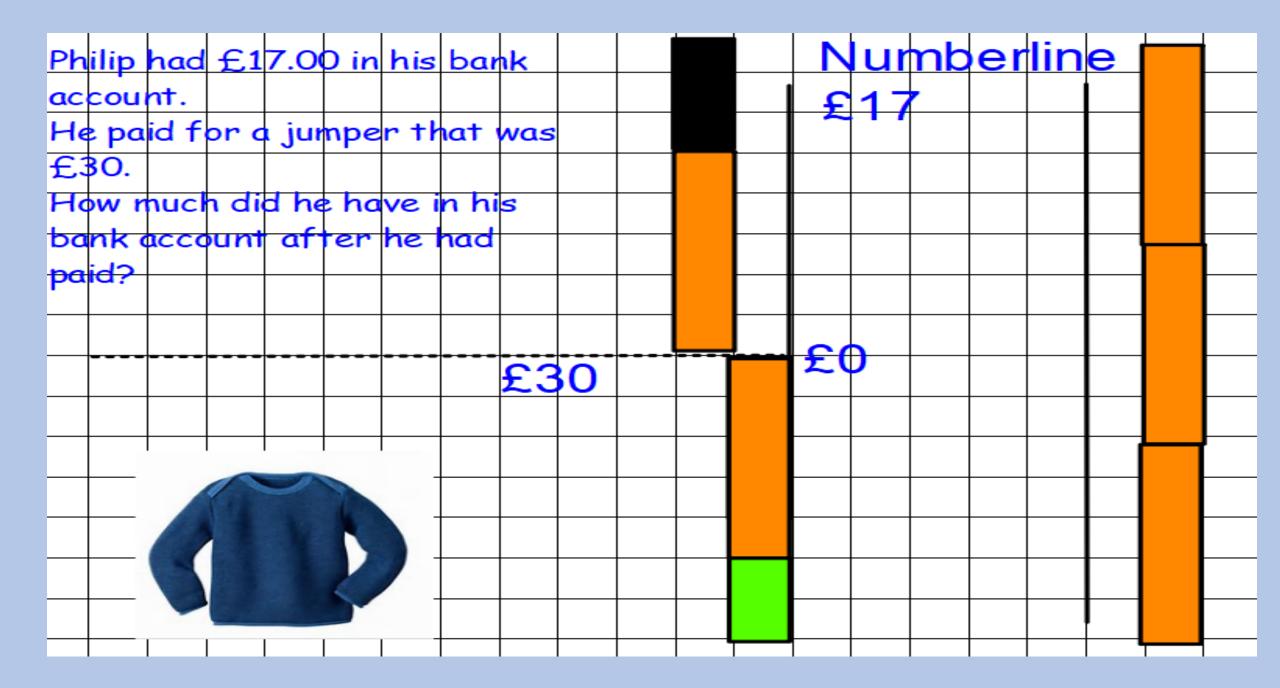
#### LO: To solve problems involving negative numbers





Start with the blue problems and then move onto the white problems

Show how you know by using a number line to support your explanation.

Spot the mistake: -80,-40,10,50 What is wrong with this sequence of numbers?

#### True or False?

When I count backwards in 50s from 10 I will say -200

#### True or False?

The temperature is -3. It gets 2 degrees warmer. The new temperature is -5? A scientist measures the depth of some objects below the surface of the sea. She records her measurements using negative numbers.

Object	Depth
Coral reef	–2 m
Shipwreck	-11 m
Pirate treasure	four times as deep as the coral reef
Sleeping shark	3 metres above the shipwreck

Which object is deepest? Explain your choice.

Is the sleeping shark deeper than the pirate treasure? Explain your reasoning.

A seagull is hovering 1 m above the surface of the sea. How far apart are the seagull and the coral reef?

A scientist measured the temperature each day for one week at 06:00.

On Sunday the temperature was 1.6°C. On Monday the temperature had fallen by 3°C. On Tuesday the temperature had fallen by 2.1°C. On Wednesday the temperature had risen by 1.6°C. On Thursday the temperature had risen by 4.2°C. On Friday the temperature had fallen by 0.9°C. On Saturday the temperature had risen by 0.2°C.

What was the temperature on Saturday?

## Let's Think...

Zain is counting forwards in threes. He starts at -17. Does he say 2? Explain how you know.

Toby says that the difference between -3 and 4 is six. This is how he counted:

"negative two, negative one, one, two, three, four" Toby is wrong. Where did he go wrong in his counting? Which question is harder/easier and why?

231,515 + 199=

231,515 + 300=

# Adjusting

Add one or two to a multiple of 50 or a hundred. Then remember to subtract it again after finiding your answer.

Step 1: 49 + 376= Step 2: 50 + 376= 426 Step 3: 426 - 1= 425 Step 1: 298 + 625= Step 2: 300 + 625= 925 Step 3: 925 - 2= 923

# Which question is harder/easier and why?

#### 145 + 146 =

239 + 137

## <u>Near Doubles</u>

Recognise when numbers are close to double the other number in the calculation:

Example 1 135+ 137= 35+35=70 100+100=200 270+2=272 Example 2 351+353= 350+350=700 700+4=704 Which question is harder/easier and why?

#### 23,567 + 454

### 5,625 + 1,654

## Number Lines

When adding units of time:

**Example 1** 14:53+ 26 mins

## 14:53 15:00 15:19

Choose 2 numbers to write a number sentence for.

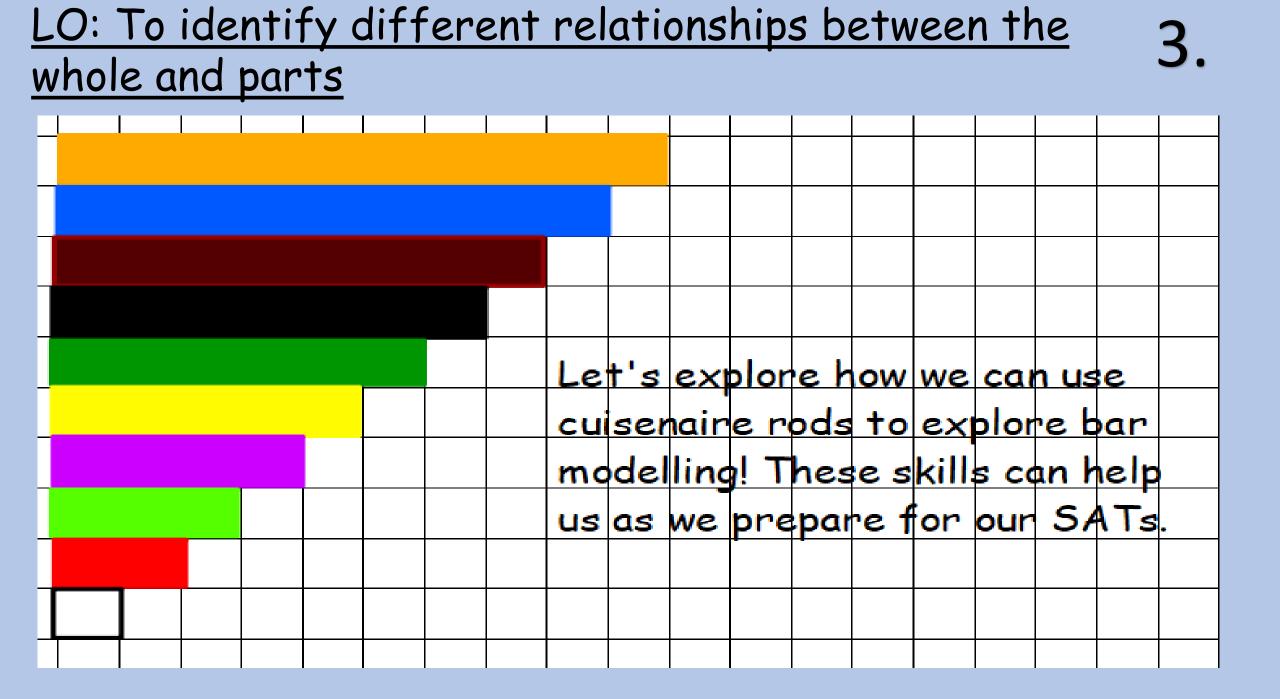
- 1. That you would use a number line to solve
- 2. One that you would use a near double or adjustment
- One that you would use a column method
- Explain why you have chosen your method

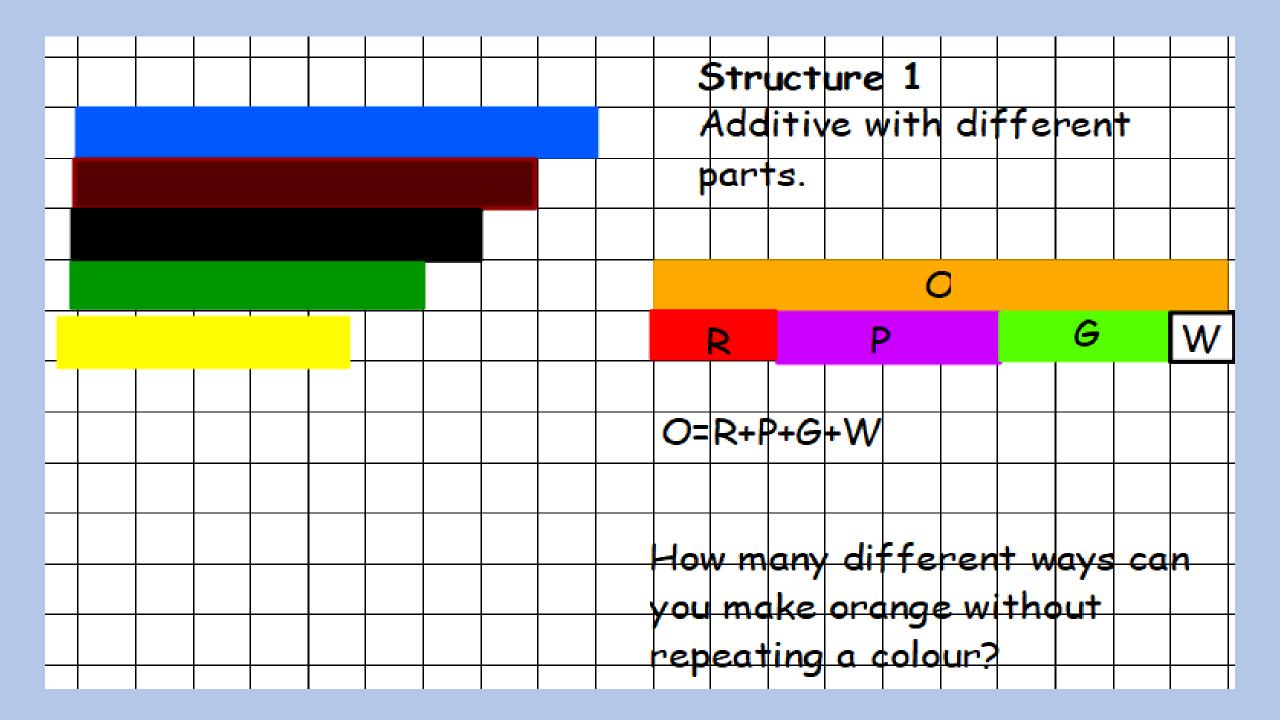


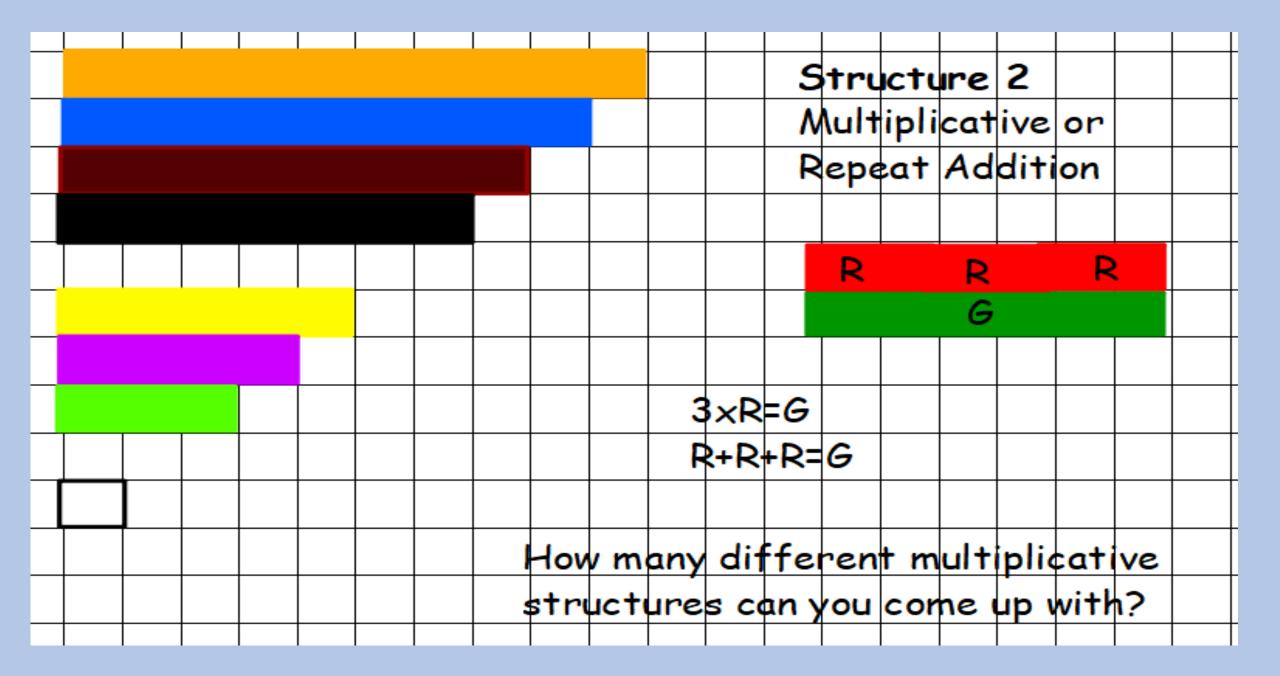
Challenge: When you have done 5 calculations, check them with a calculator. Now do two calculations where you add three numbers and then come and get the challenge

## Explain

Bill wants to use the strategies he has learned today with the following problem: The train leaves Winchester at 12:35 and arrives in Reading at 13.07. How long is the journey? What is the same about the strategy he can use? What is different?

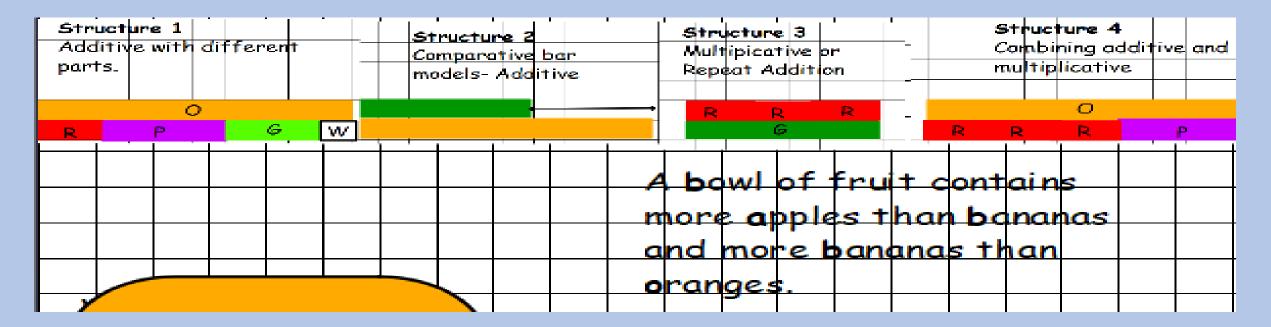




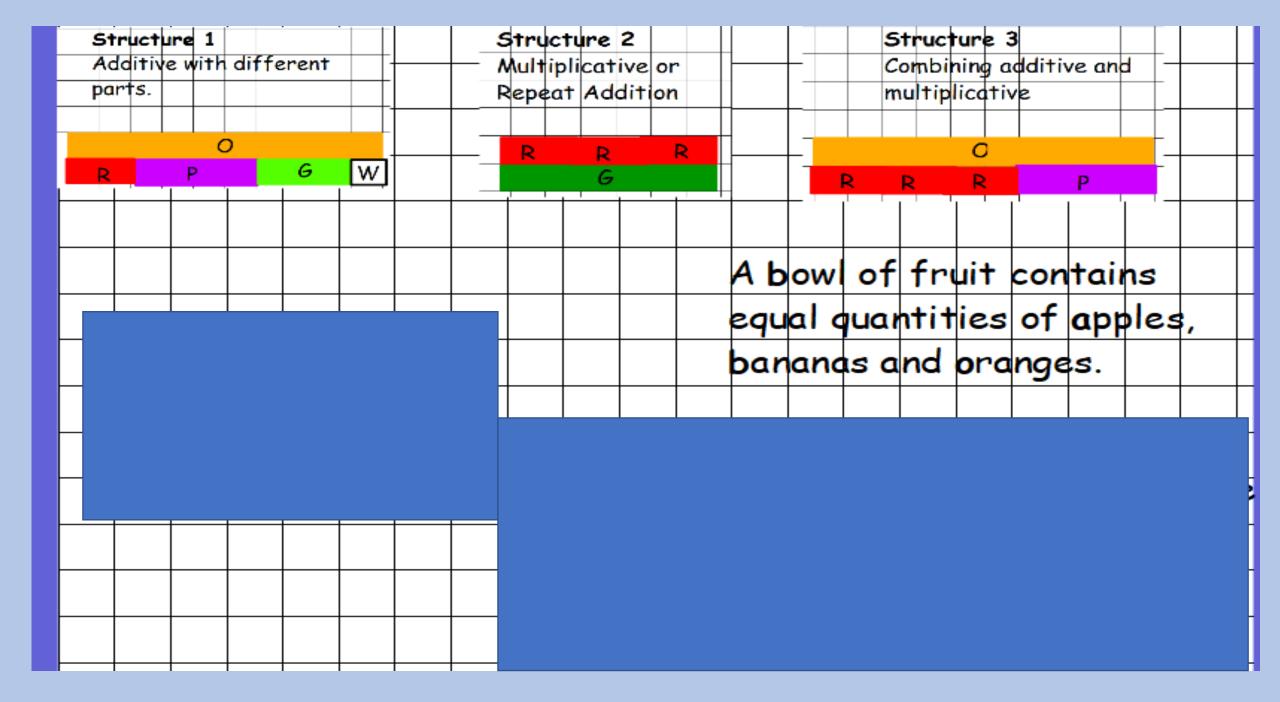


										ture					
										ning	-		ive	an	d
								mu	ltip	lica	tiv	e			
										С					
						F	2	R		R			Р	)	
						3>	(R+	P=C	)						
						RI	-R+I	R+P	=0						
	•				ł	Hov	/ m	any	wa	ys (	can	yo	u m	ake	
					•	pra	nge	۵s	the	e w	nole	e us	ing	۵	
					t	nix	tur	e o	f ac	ldit	ive	an	d		
					r	nul	tipl	ica	tive	: st	ruc	tur	es?		

								Sti	'uc'	turo	e 4				
								Cor		-			ive	an	d
								mu	tip	lico	tiv	N			
										C	2				Ţ.
						R	2	R		R			Р		
Τ															
						Зх	R+	P=C	)						
						R+	·R+	R+P	=0						
								any							
					•	ora	nge	as	the	e wł	nole	ะ นร	ing	۵	
					1	mi×	tur	e o	fa	dit	tive	an	d		
					1	mul	tipl	ica	tive	: st	ruc	tur	es?	>	



						0	rar	ges	<b>5</b> .								
We know i	it is							5									
structure	1 bec	ause		W	hic	n st	ru	ctu	re i	s tl	nis	wor	rd p	rol	oler	n?	
you are ac	lding		(	Ca	n y	ou r	rep	res	ent	it	wit	h y	our	cui	ser	air	e
together	three		1	ro	ds?						bo	wl					
different	amou	nts.							a					Ь	- [	0	
The whole			up														
of three	diffei	rent															
parts.																	

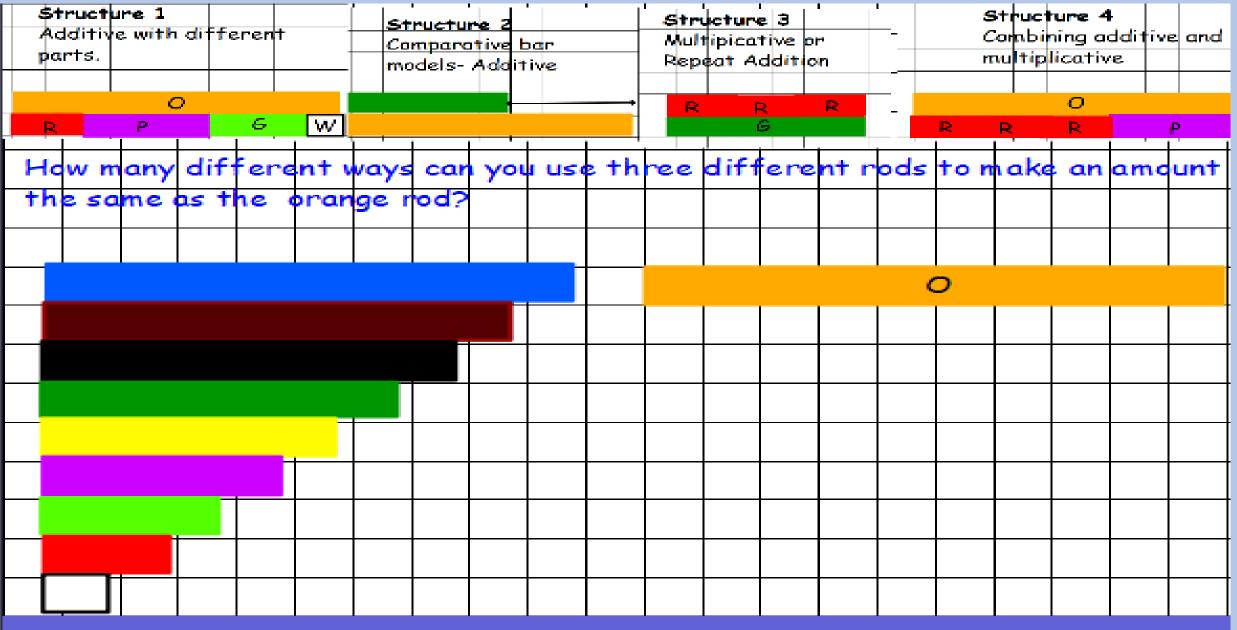


Structure 1	Structure 2	Structure 3
Additive with different	Multiplicative or	Combining additive and
parts.	Repeat Addition	multiplicative
0		C
	G	R R R P
	A bowl o	f fruit contains
		pples and equal
	amounts	of bananas
	oranges.	

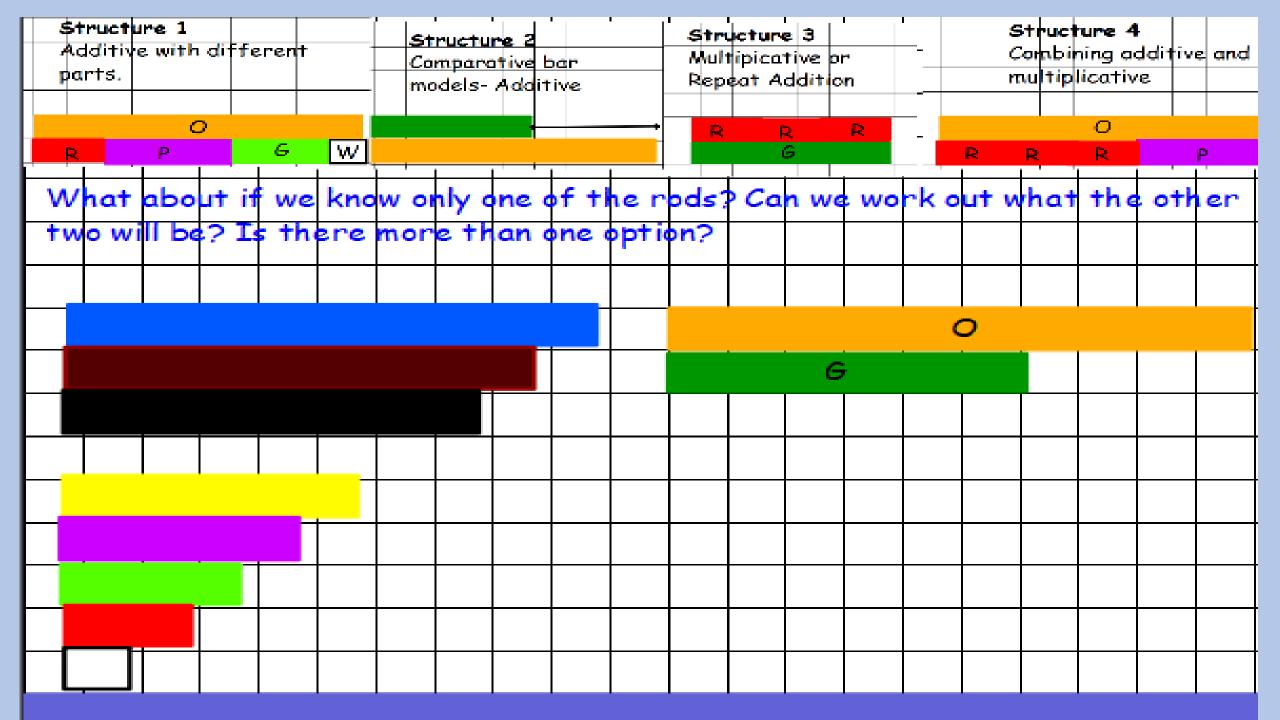
Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3       Structure 4         Multipicative pr       Combining additive and the second
R P G W		G R R R P
<ul> <li>A can of drink costs £1.50. I buy t</li> </ul>	hree cans of drink for £4.50	Stick in one problem at a
		time. Draw an appropriate
<ul> <li>Espend £30 buying a t-shirt, a DV</li> </ul>	D and a book	bar model and decide which
		structure it shows.
<ul> <li>There are fifteen stickers on a she</li> </ul>	eet. Some are red, some are	
<u>blue</u> and some are green.		Complete 6 with at least or
<ul> <li>Twenty children are having school</li> </ul>	I dinners. Twelve of these are	being from each of
having pasta, two are having curr	y and the rest are having	structures 1, 3 and 4.
sandwiches.		
	1 1 1 1	

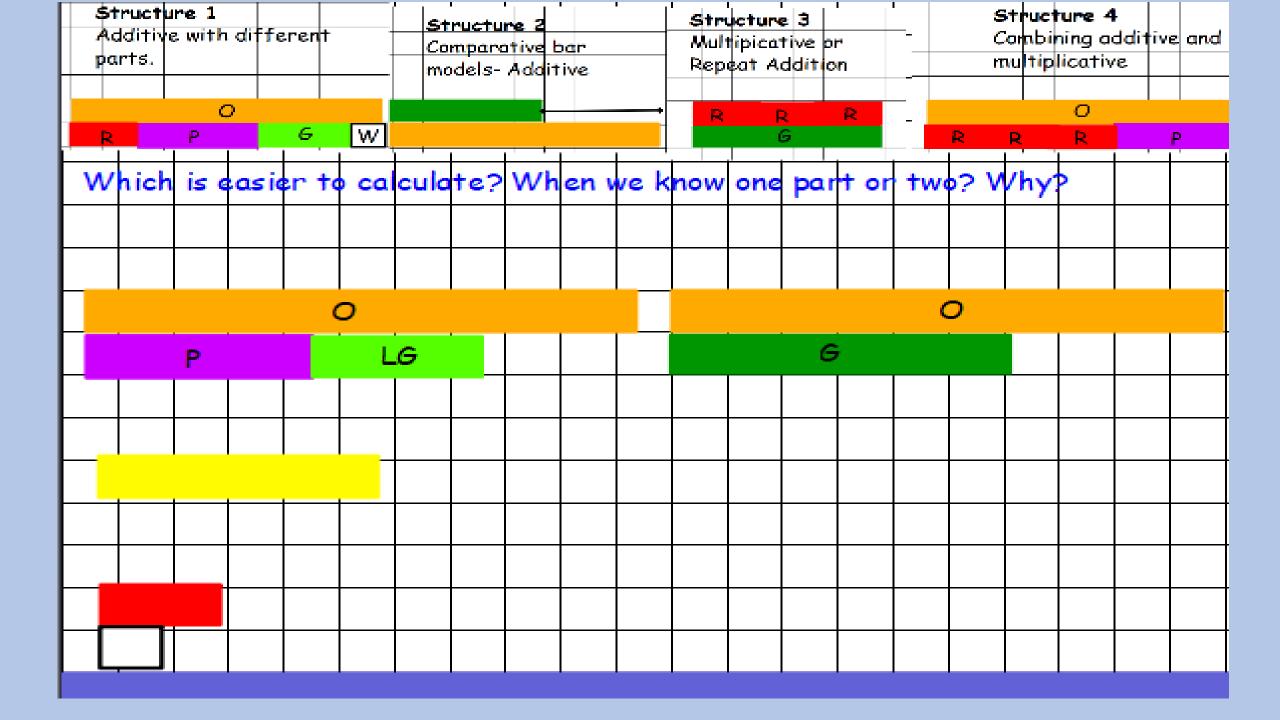
Structure 1	Structure 2	Structure 3
Additive with different	Multiplicative or	<ul> <li>Combining additive and</li> </ul>
parts.	Repeat Addition	multiplicative
		_ 0
	G	R R R P
Challenge		
Challenge		
Write your own v	vord problems that a	reone
of the three stru	uctures. Draw bar mo	aels
to match your wo	ord problems	
	•	
	rs. Two are blue, ten are black	and six
are red.		
	wo are blue, ten are black and	sixare
red. How many toy cars		
I have eighteen toy car∈	<del>s. Some are blue, some ae blac</del>	kand
some are red.		

## LO: To identify missing parts

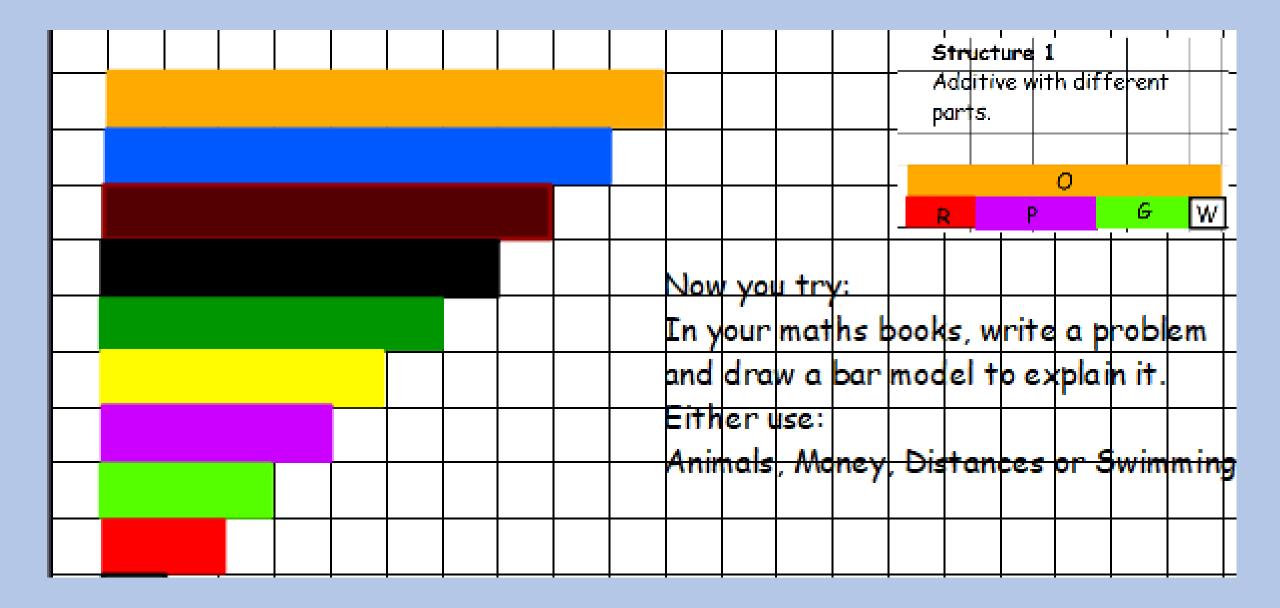


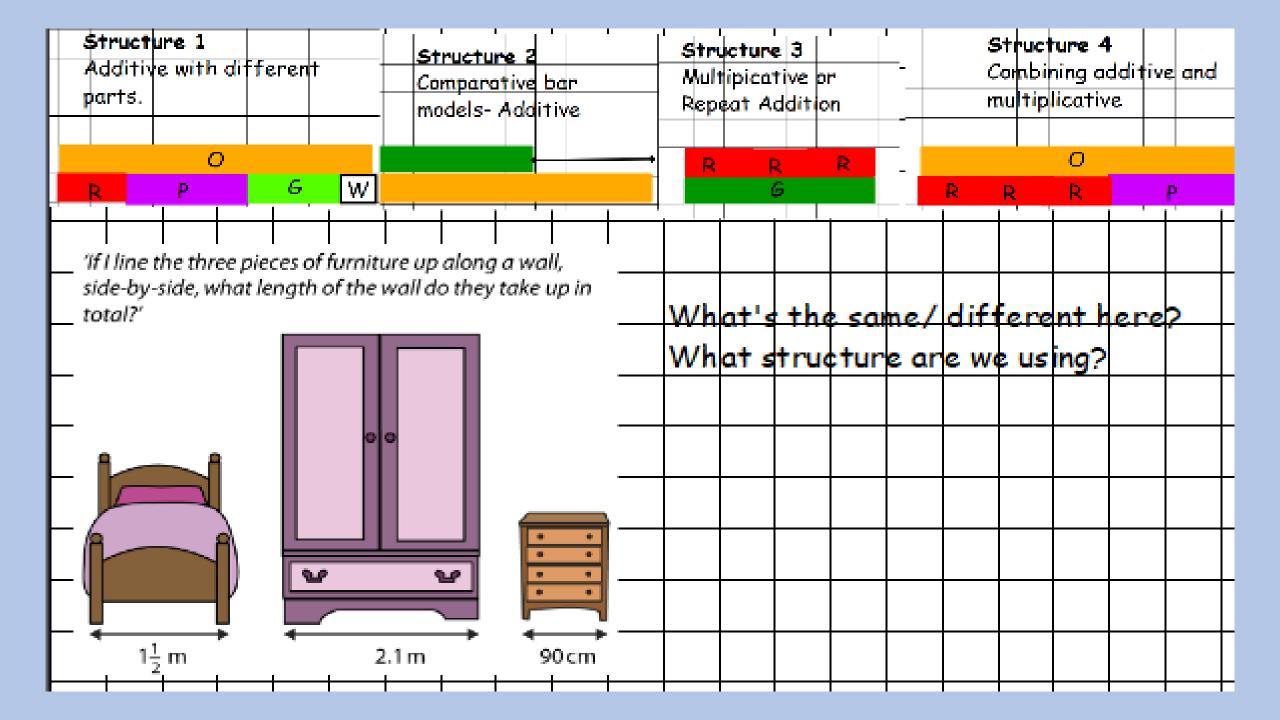
Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative pr Repeat Addition	Structure 4 Combining additive and multiplicative
		R R R G	O R R R P
We know 2 of the rods	that are equal to	the orange one.	What could the third
one be?			
		G	P



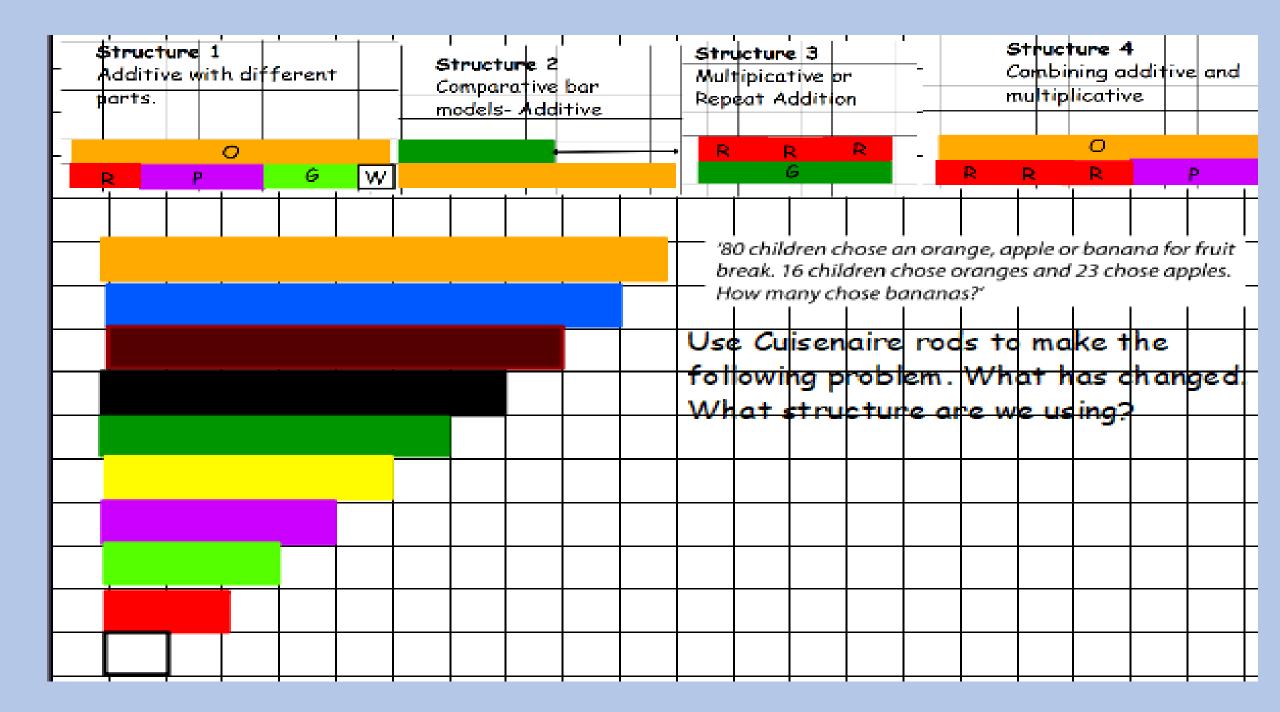


	-				1.1			6			c	,	- ·	
		here							•					
		ear		1.60	un )	ear	- 2-1	-10W	mai	iy a	ет	ner	e in	
$\vdash$	т	tal?												
						Tot	al							
			R				2			1				
	Wh	at o	perc	it ior	are	: we	con	1ple	ting	?				
	Wh	ich s	tru	ctur	re ar	re w	e us	ing?						



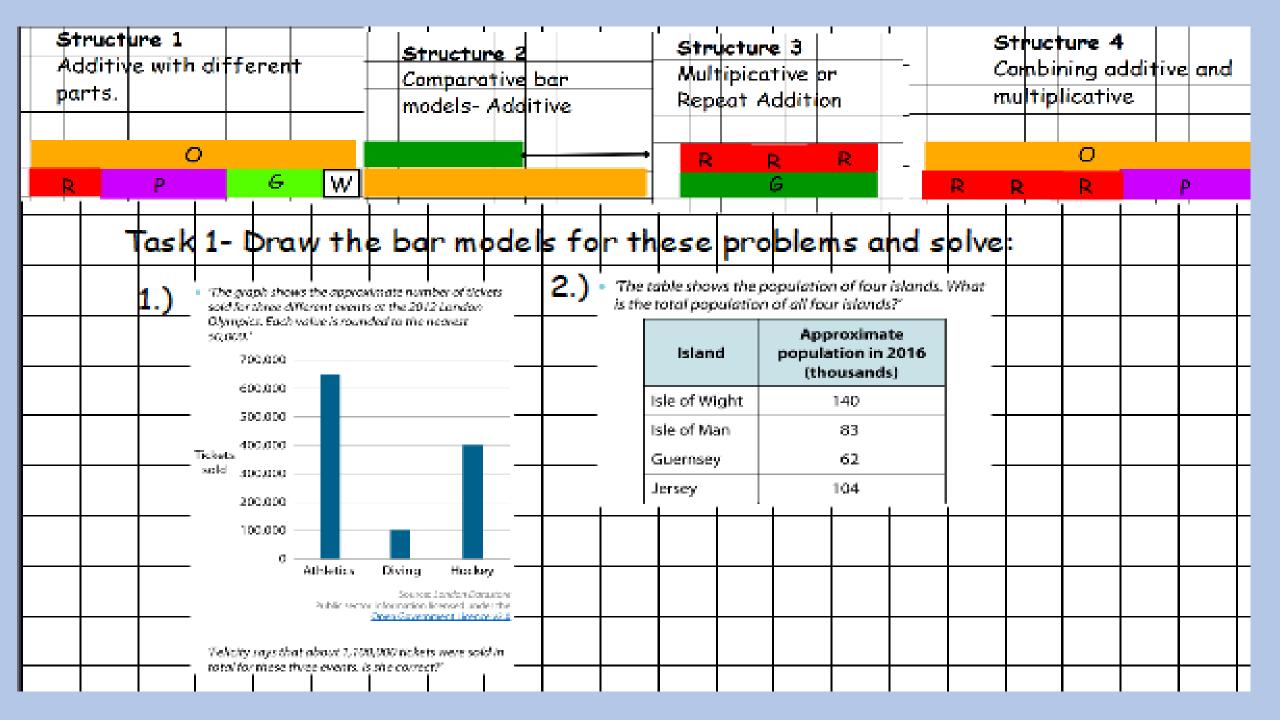


Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative pr Repeat Addition	Structure 4 Combining additive and multiplicative
		R R R	
Tell a story to go with this represe	ntation.'		
- ? - 1.5 2.1	0.9		
E.g.			
'I have 1.5 m of red ribbon, 2.1 r blue ribbon and 0.9 m of yellow How much ribbon do I have altogether?'			



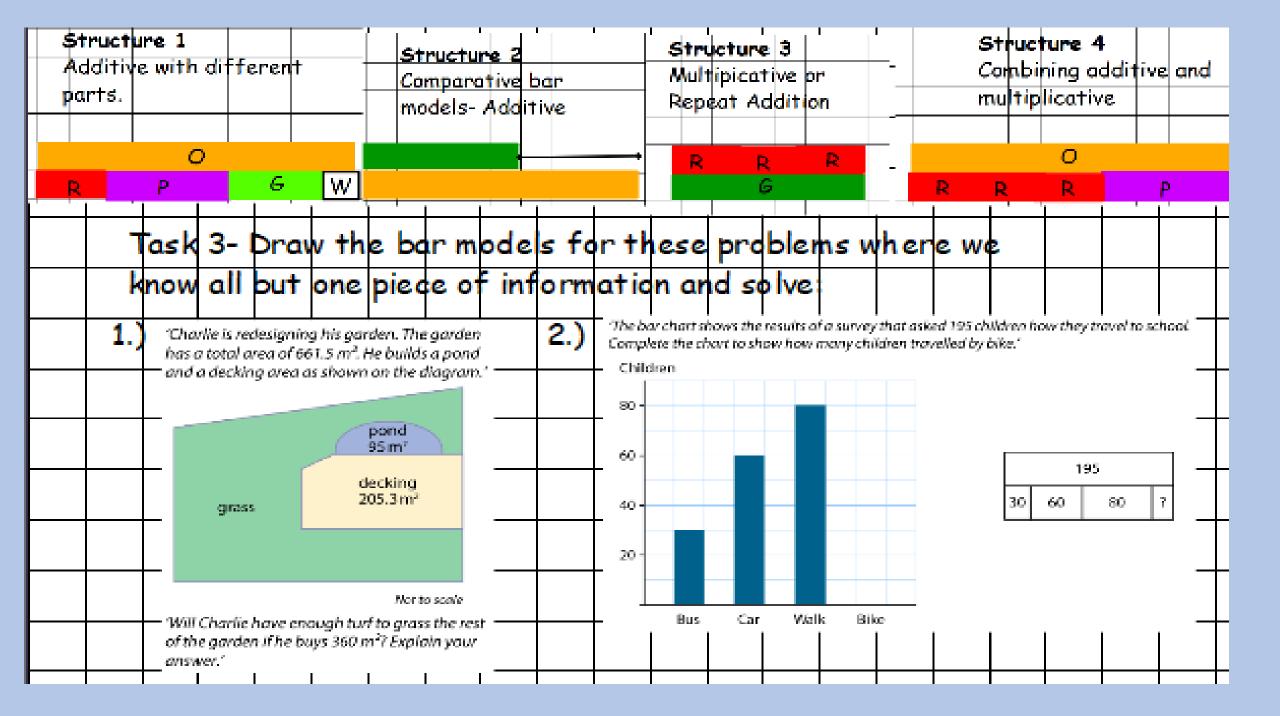
Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative pr Repeat Addition	Structure 4 Combining additive and multiplicative
			0
	! !		
		Jess spent all £	10 of her pocket
		money. She bou	ght a DVD for £4, a
			2.25, a pencil case
		for £1.20, a pen	for 45p and the
		rest on sweets.	How much did she
		spend on sweets	
		raw the following pi	coblem What is
		ne same/different	
		ne?	

Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Repeat	t <b>ure 3</b> icative a t Additio	C		ure 4 ing addit icative	ive and
R P G W			G	R	R	R	Р 
<ul> <li>'If we know the value</li> <li>and all but one of the find the missing part</li> </ul>	e parts, we can						
<ul> <li>'the whole minus the is equal to the miss</li> <li>'the sum of the known the missing part is equal to the missing p</li></ul>	ing part wn parts plus						
whole.'							



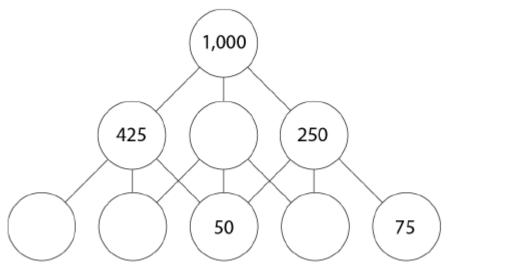
## LO: To identify missing parts

<b>Struc</b> Addit parts	tive		diff	erent		C	tructu omparv odels-	ative l		• 		Mul	ictury lipica eat A	tive				Cor	nbi	ture 4 ning a licativ	ddi†is	e d	and
		C	2									R	F	2	R	<b>-</b>			1	0			
R		Р		, G	W									9			R	R		R		P	
	٦				w th											whe	ne v	ve	-				
	x	now	all	but	one	pie	de ot	f int	forr	nc	at io	n ar	ıd so	o lve	2								
:	1.)	Wahul is solving a word problem involving favourite drinks. He draws this representation."							2.)	)		i he equa ent year				table of tks.'	data al	bout	_				
					s				Τ					Year 1	Year	2 Ye	ar 3						
	kemonade				milk juice					╈	_ number of children asked about their favourite <b>drink</b>				62 58			59					
		Use Rabul's model to decide whether the following equations are true or false.						ing -		T	number who like milk best					13		21	1				
		_	_				True (<') or false (×)?			╈	number who like				20			18					
	lemonade + milk + juice = drinks       .         drinks - lemonade = milk + juice       .         milk = drinks - juice       .							T	number who like juice best				12 35				1						
								Τ	·														
	"Rahul writes the following, correct equation."         juice = drinks - lemonade - milk         "Complete these similar equations."        = drinks - lemonade - juice																╞						
		le	monade 	e =	milk- 		1	I															



#### Challenge

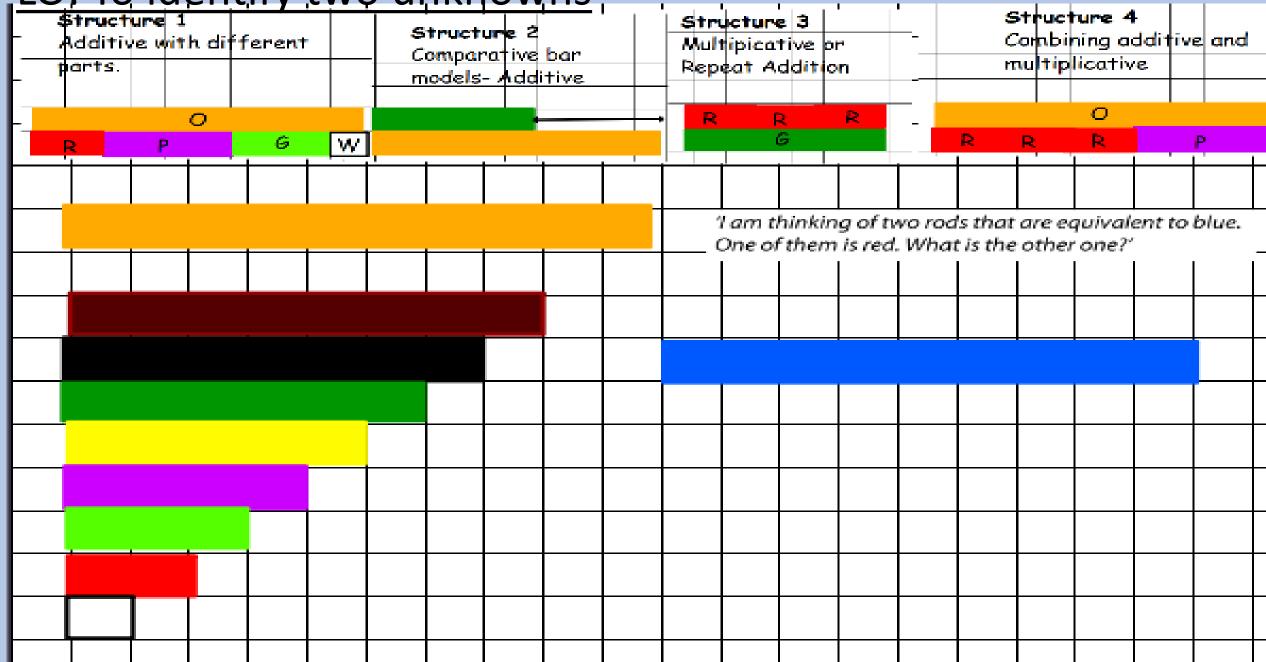
'The number in each circle is the sum of three numbers in the row below it. Fill in the missing numbers.'

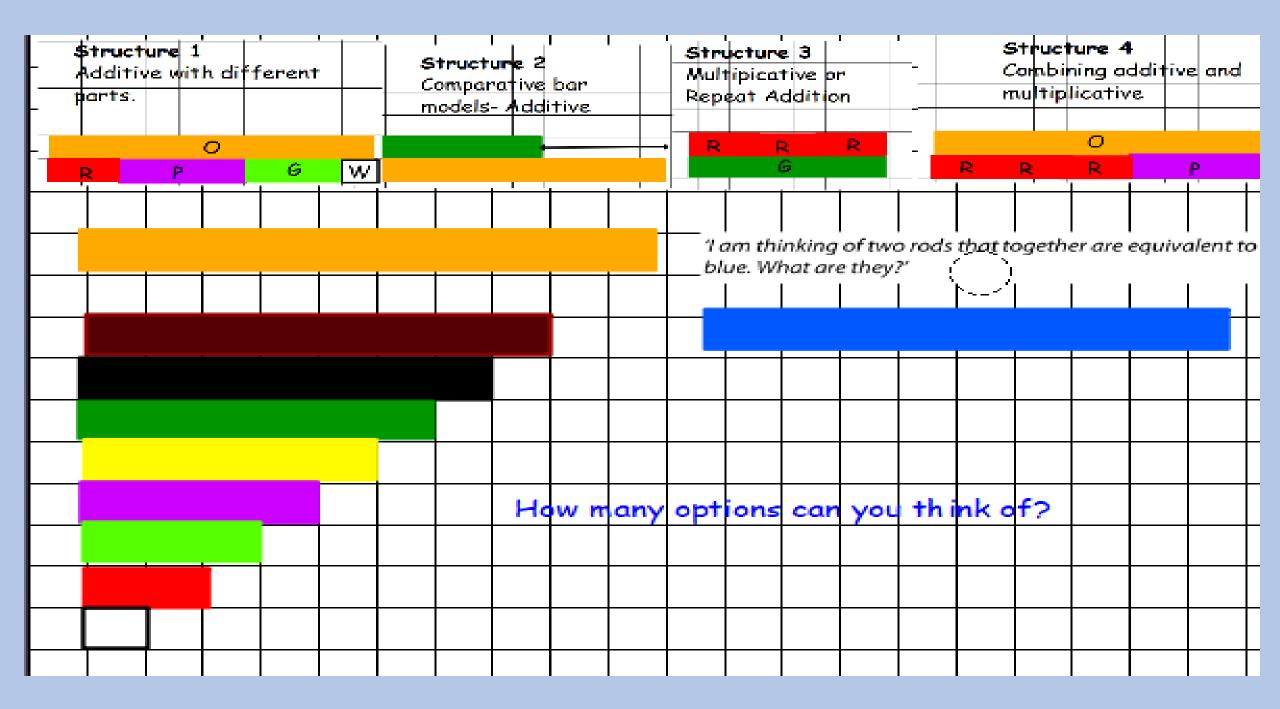


'The sum of each row, each column and each of the two long diagonals is 13.6. Fill in the missing numbers.'

		4.8	0.4	
0.8			5.6	
	4			
	2	3.6	1.6	

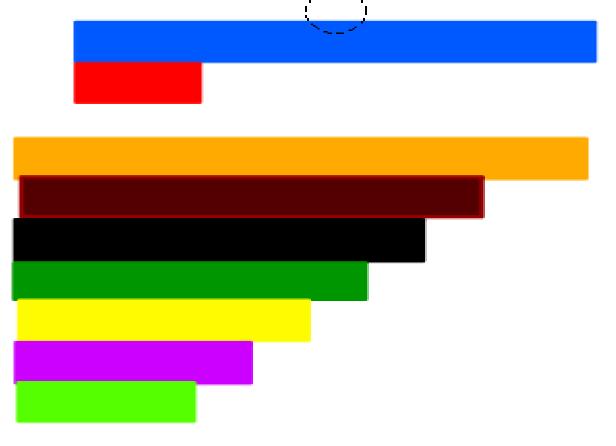
# LO: To identify two unknowns



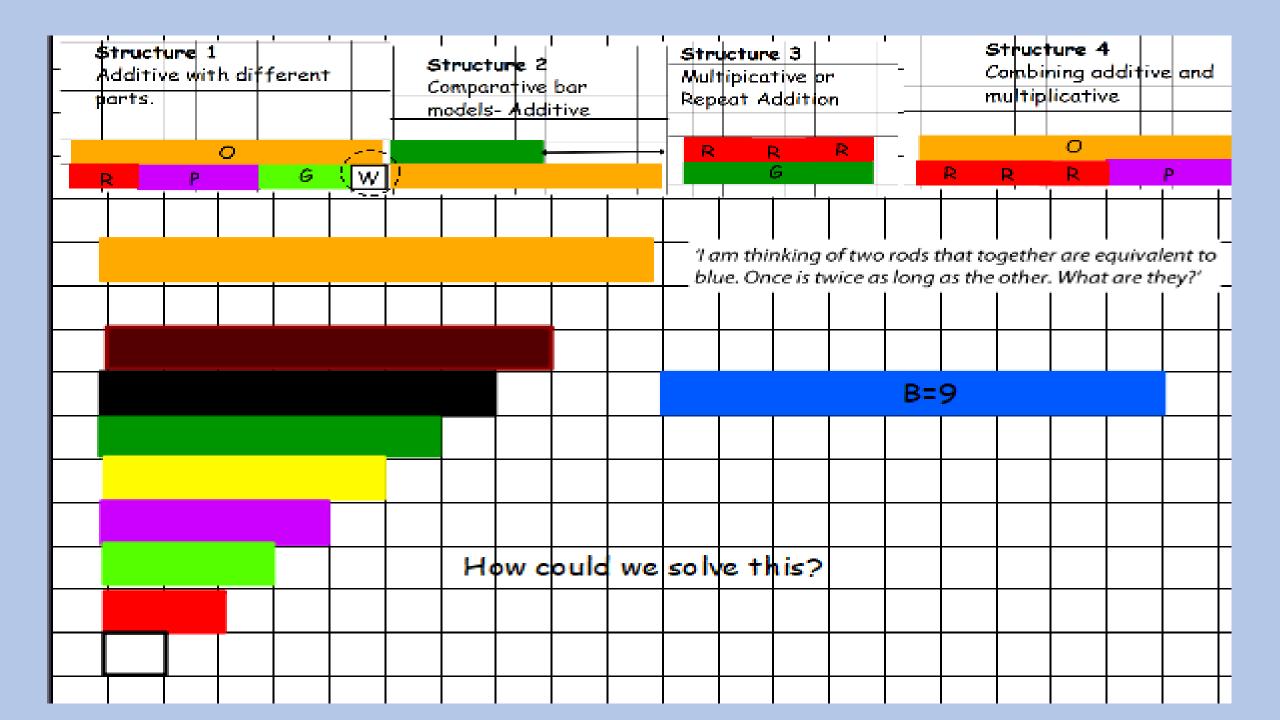


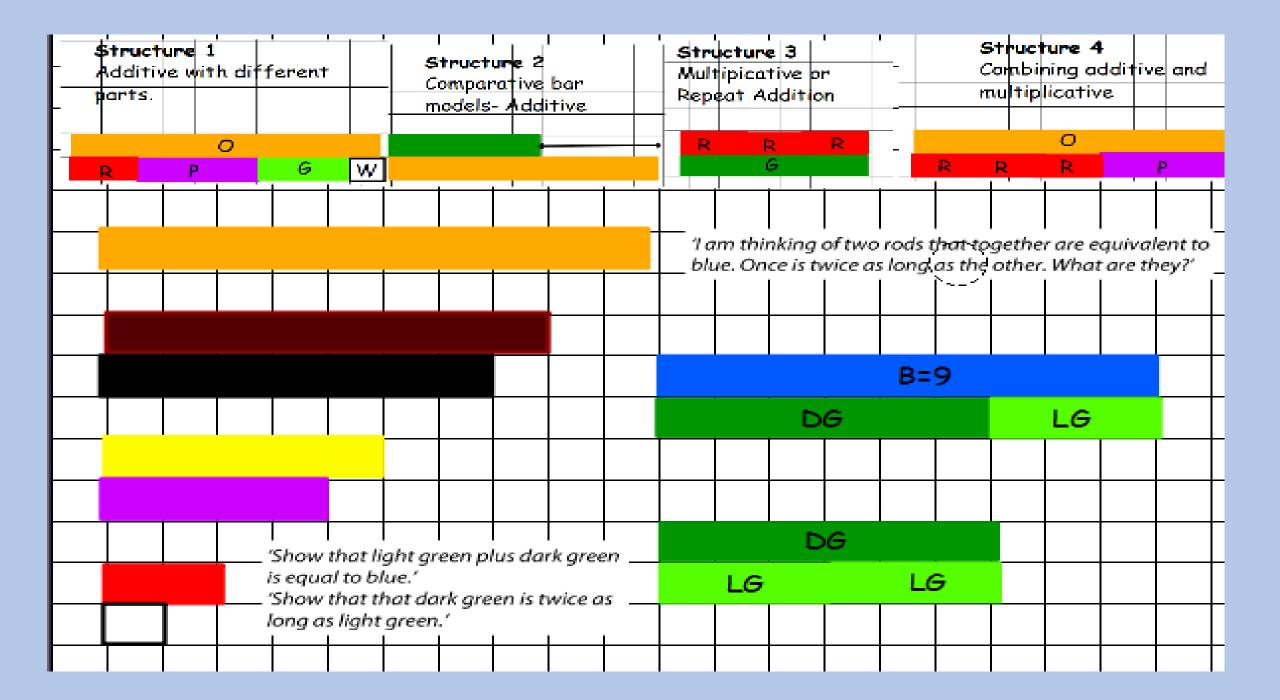
#### What's the same? What's different?

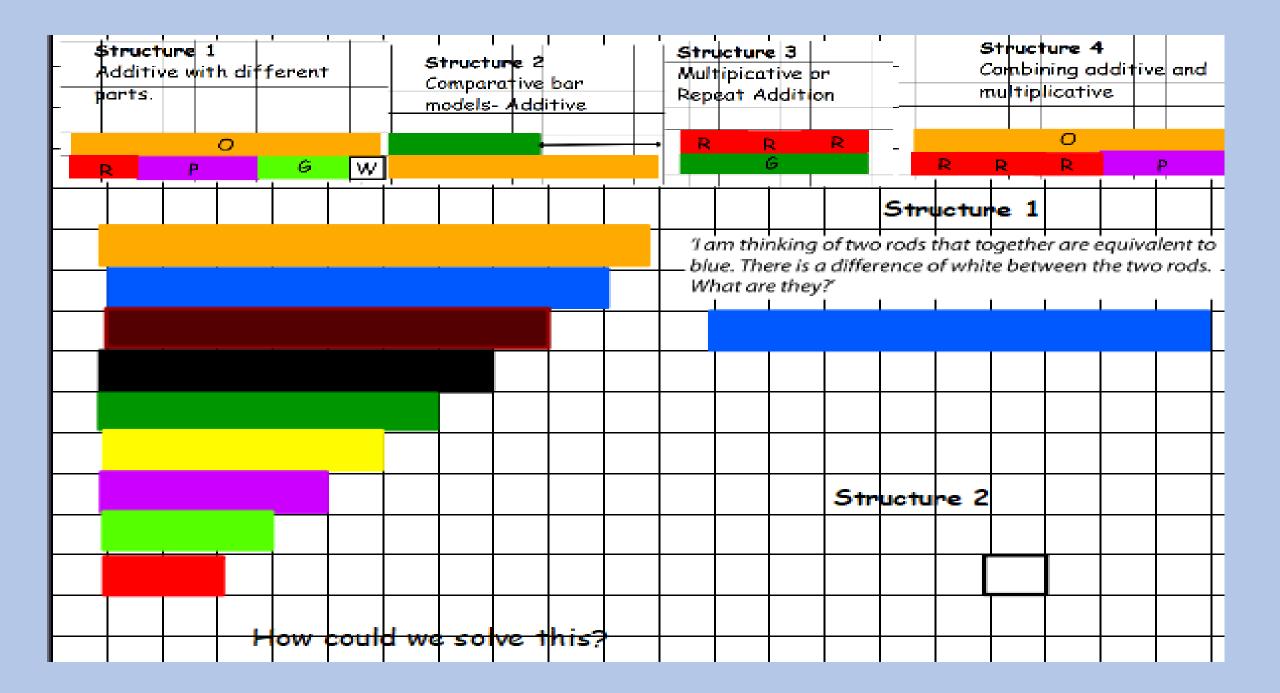
'I am thinking of two rods that are equivalent to blue. One of them is red. What is the other one?'

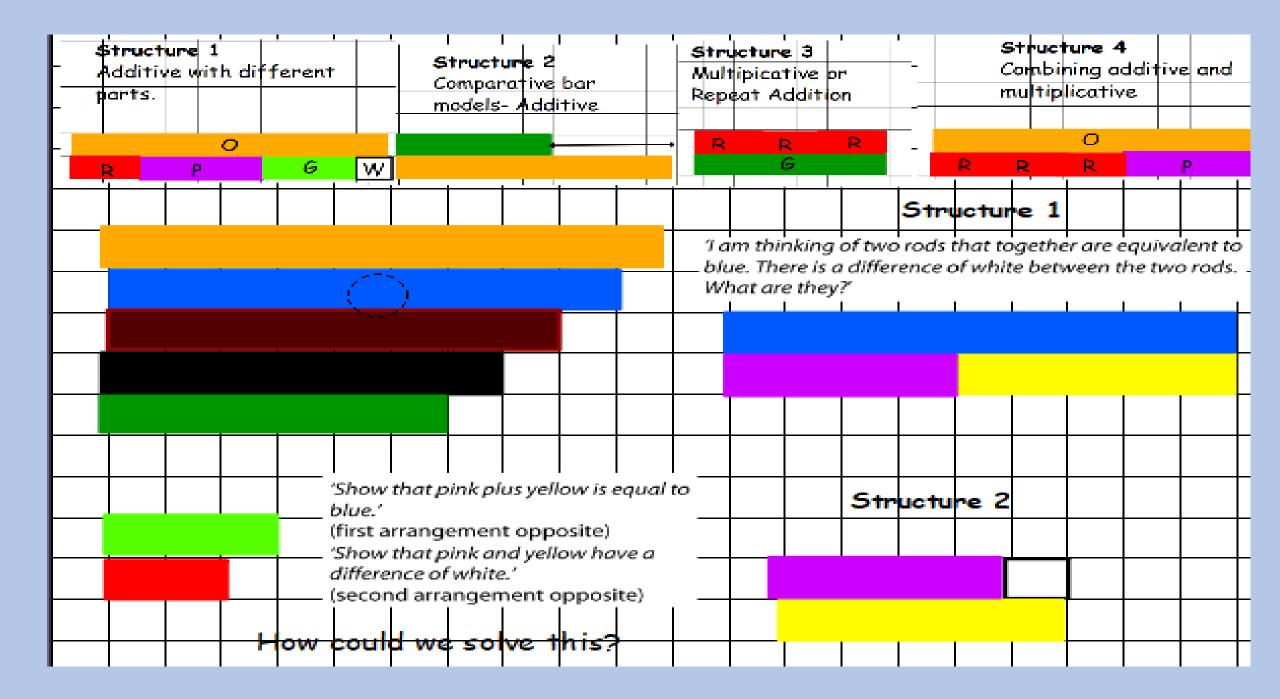


'I am thinking of two rods that together are equivalent to blue. What are they?'









Task

With a partner, sort different pairs of rods into each category

How do you know you have found all the solutions?



I know I have found all the solutions to the sum equalling orange because...

I know I have found all the solutions to the sum equalling orange and the difference between red because...

I know I have found all the solutions to the difference being red because...

## Extension

'Two rods have a sum equal to the length of orange, and one is two-thirds the length of the other. What are they?'

'Two rods have a sum equal to the length of blue, and one is three-and-a-half times as long as the other. What are they?'

## LO: To identify two unknowns



With a partner, discuss the 5 solutions to the problem. Which one/ ones are correct? Which are incorrect? How do we know? Are there any incomplete?

Child D:

Child A:

1/2 of 200 = 100 100 + 30 = 130 130 stars are gold

Child B:

301 gold 200 silver. 200 - 30 = 170170 ÷ 2 = 85 gold difference silver 15050 100 140 60 80 115 stars 1307060 are gold 80 12040 11090 20 115 85 30 Child E: You dovit 200 have enough information silver gold to solve it

Let's discuss each model together. Can we decide which is wrong/ correct and why.

Child A:

 $\frac{1}{2}$  of 200 = 100 100 + 30 = 130 130 stars are gold

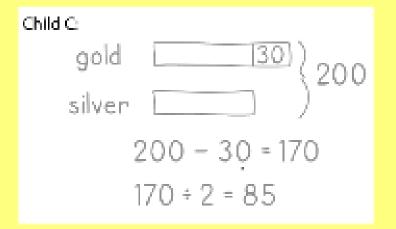
Let's discuss each model together. Can we decide which is wrong/ correct and why.

Child B:

$$\begin{array}{ll} 9 = 130 \\ s = 70 \end{array} \times \begin{array}{ll} 9 = 100 \\ s = 100 \end{array} \times \\ 9 = 105 \\ s = 95 \end{array} \times \begin{array}{ll} 9 = 110 \\ s = 100 \end{array} \times \\ s = 9111 \\ s = 89 \end{array} \times \begin{array}{ll} 9 = 120 \\ s = 75 \end{array} \times \\ s = 75 \end{array}$$



# Let's discuss each model together. Can we decide which is wrong/correct and why.



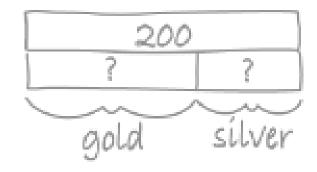
# Let's discuss each model together. Can we decide which is wrong/correct and why.

uniia D:	CI	hild	D:
----------	----	------	----

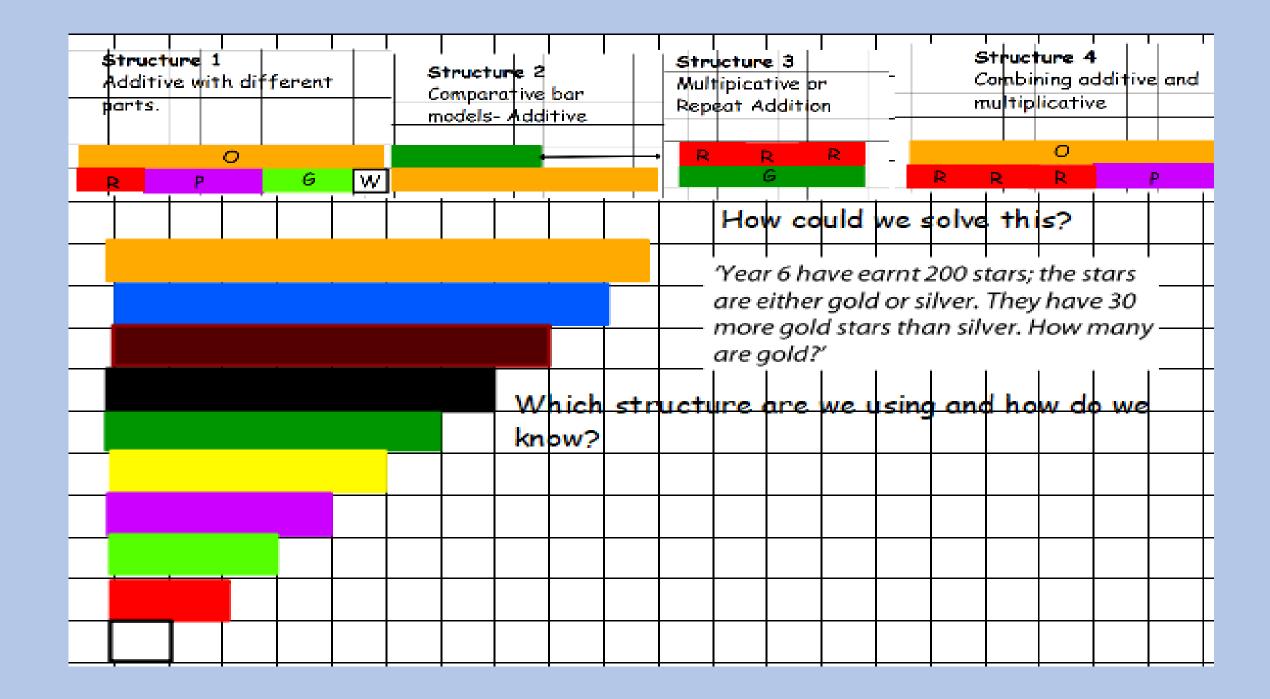
gold	silver	difference	
150 140	50	100	
130	60 70	80 60	115 stars
120	80	40	are gold
110	90 85	20 30	

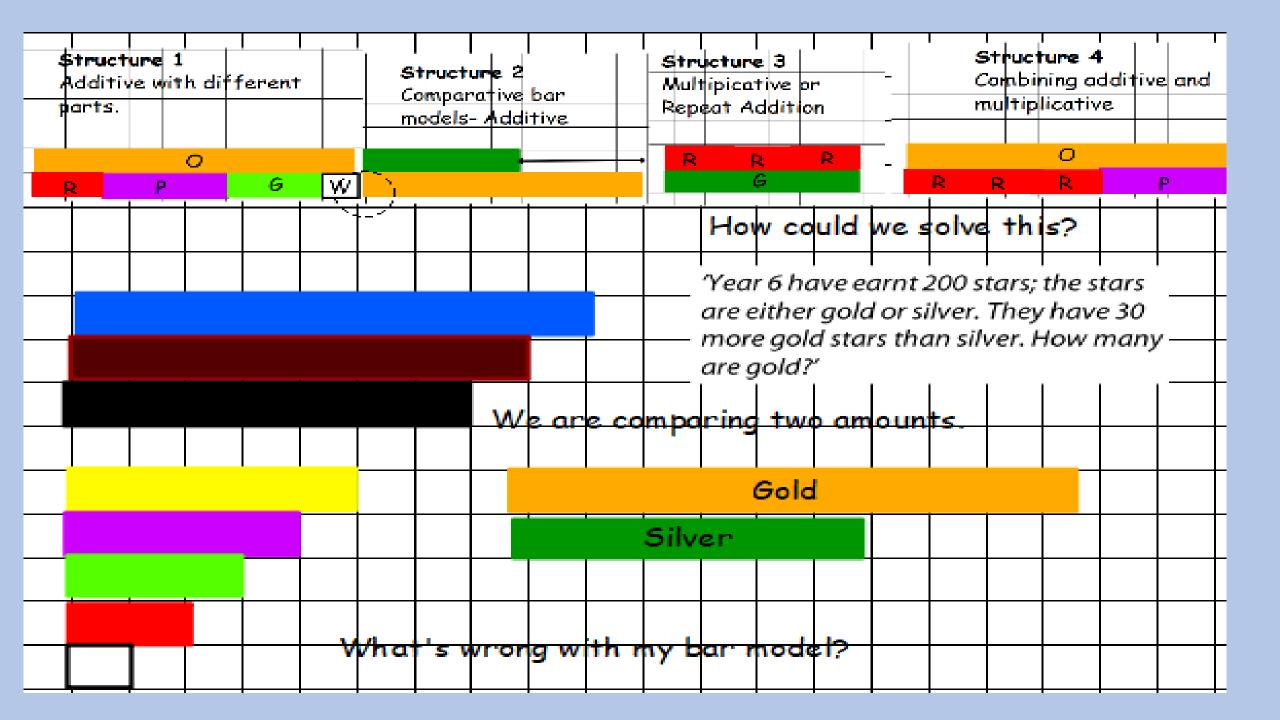
## Let's discuss each model together. Can we decide which is wrong/ correct and why.

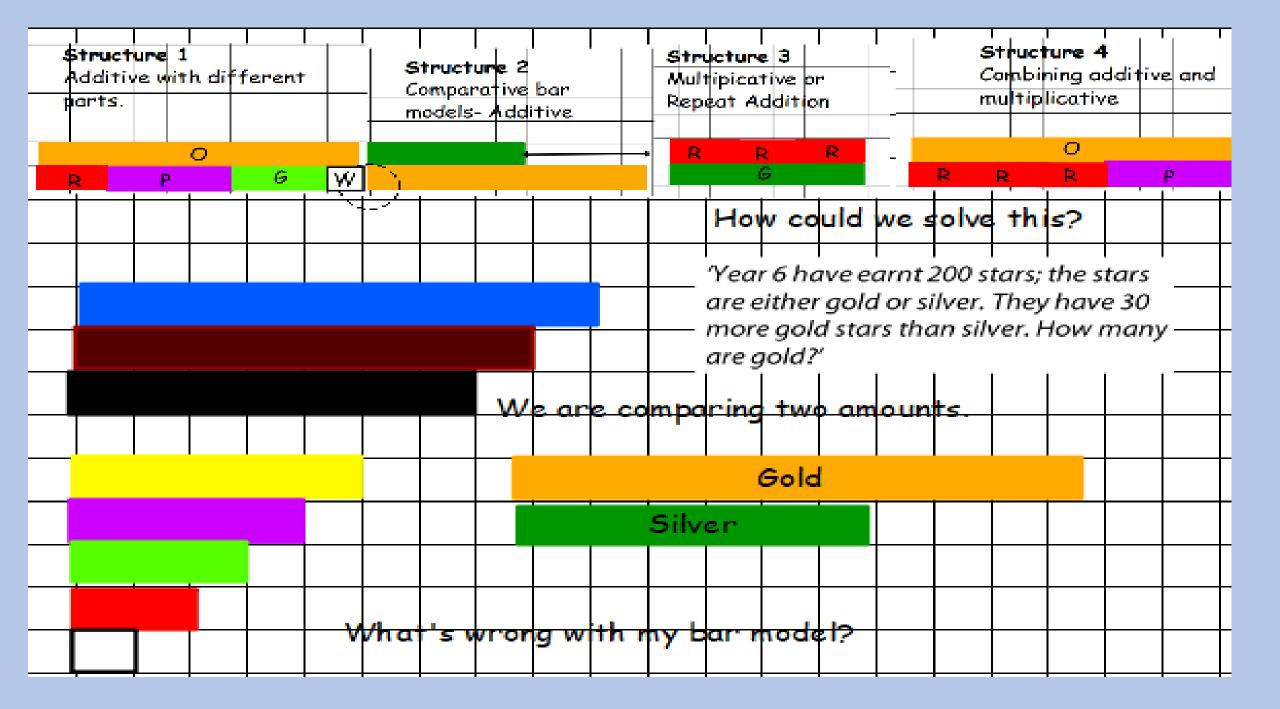
### Child E:

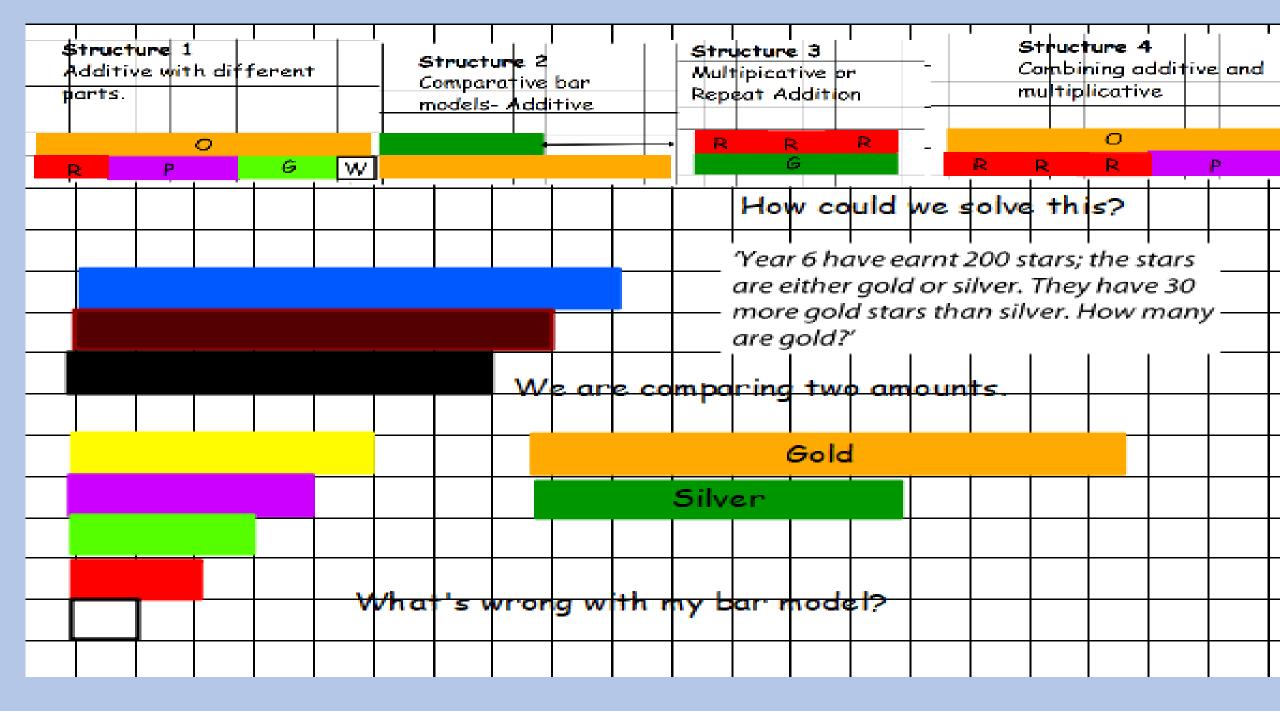


You dovit have enough information to solve it

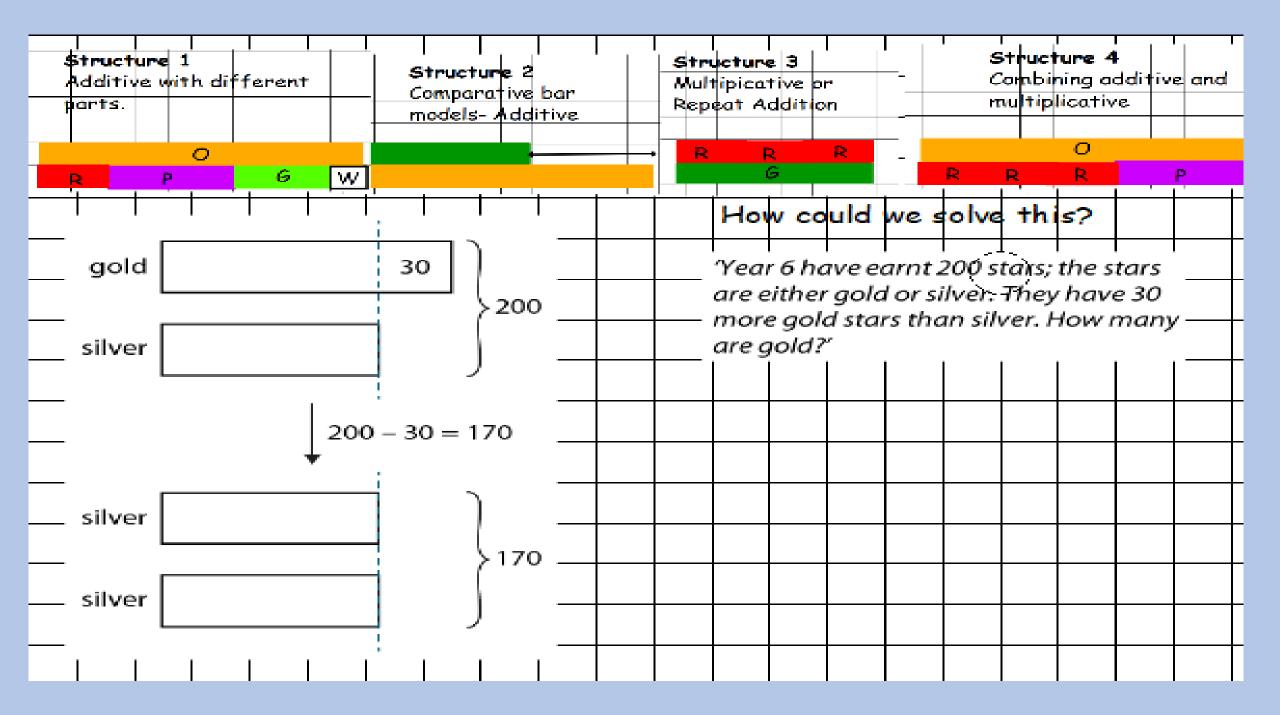




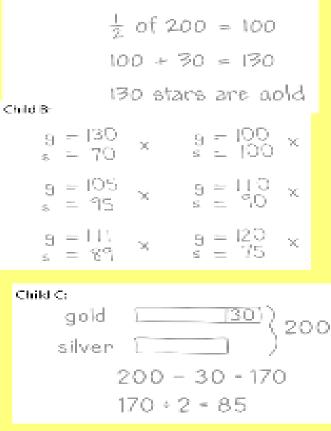








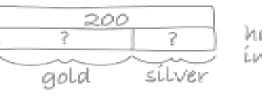
#### Child A:



#### Child D:

gold	stiver	difference	
150 140 130 120 110 115	50 60 70 80 90 85	100 80 60 40 20 30	115 star are gold

#### Child E:



You dort have enough ínformatíon to solve ít

### What do we think of the strategies now?

- 'Child D has used the best strategy because they are the only one to get the right answer.'
- Child A is the only one who has used an incorrect approach.'
- 'If Child B hadn't given up they would have got the right answer.'
- The bar models by Child C and Child E show the same information.'
- 'Child B and Child D have used the same strategy.'
- 6. 'Child D is the only one who has shown the difference between the number of gold stars and the number of silver stars.'

#### <u>Task</u>

With a partner, talk through, discuss and solve the problems below:

1.) Represent the problem with Cuisenaire

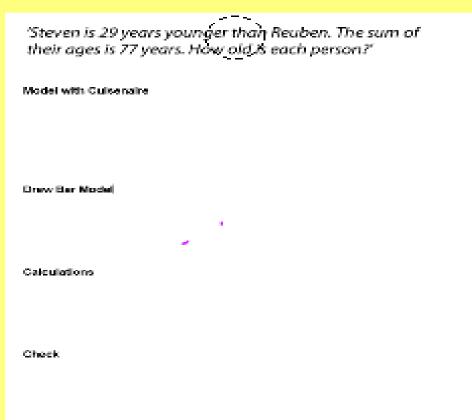
- 2.) Draw a bar model
- 3.) Write the calculations

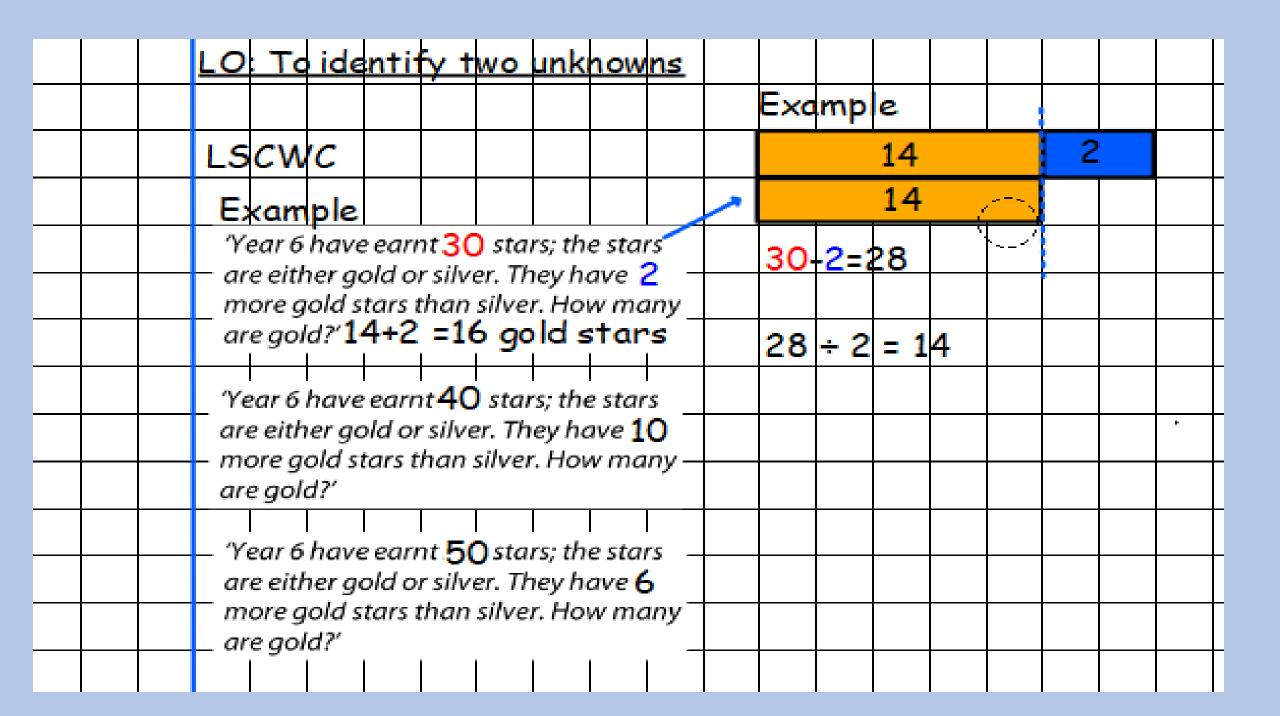
Check

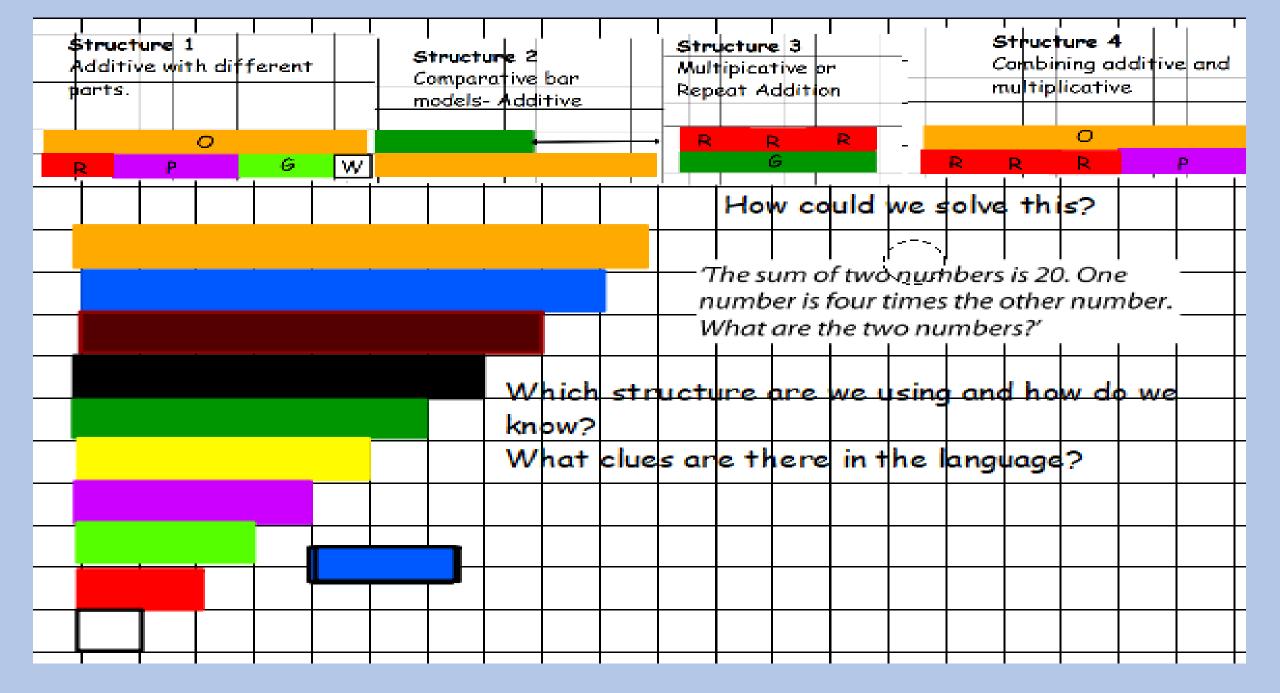
4.) Solve 5.) Check

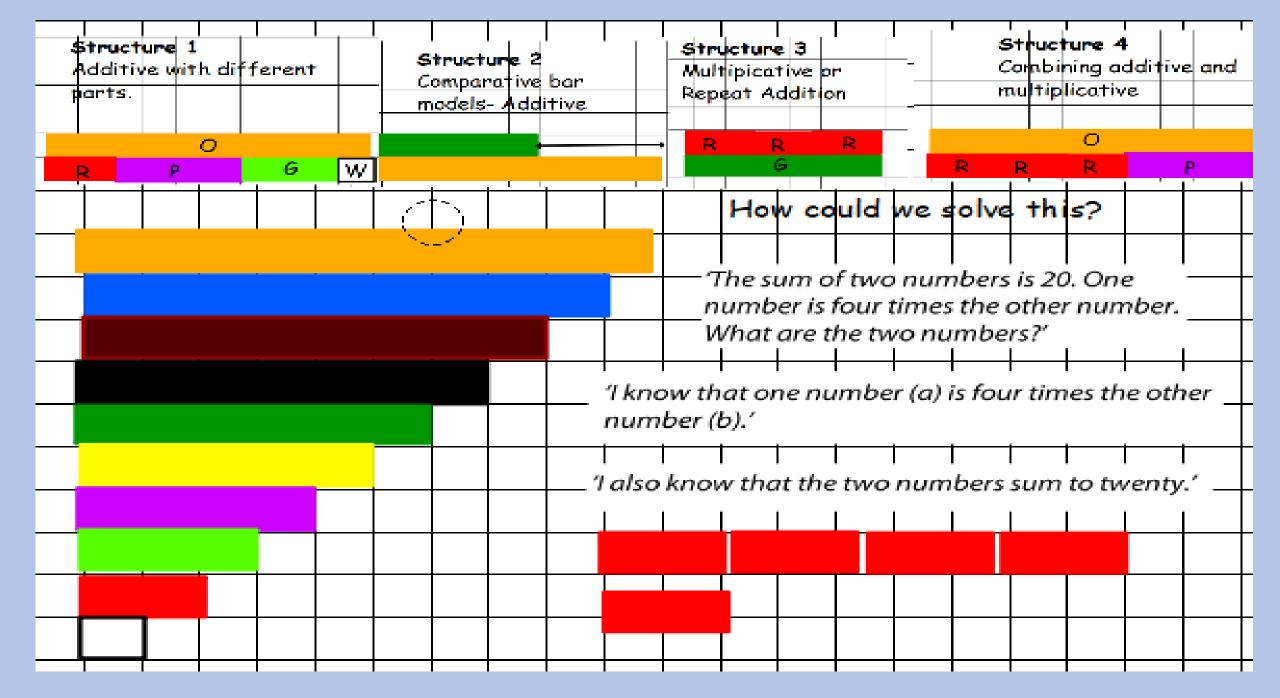
 'Anna and Ellen have £70 in total. Anna has £16 more than Ellen. How much money do they each have?'

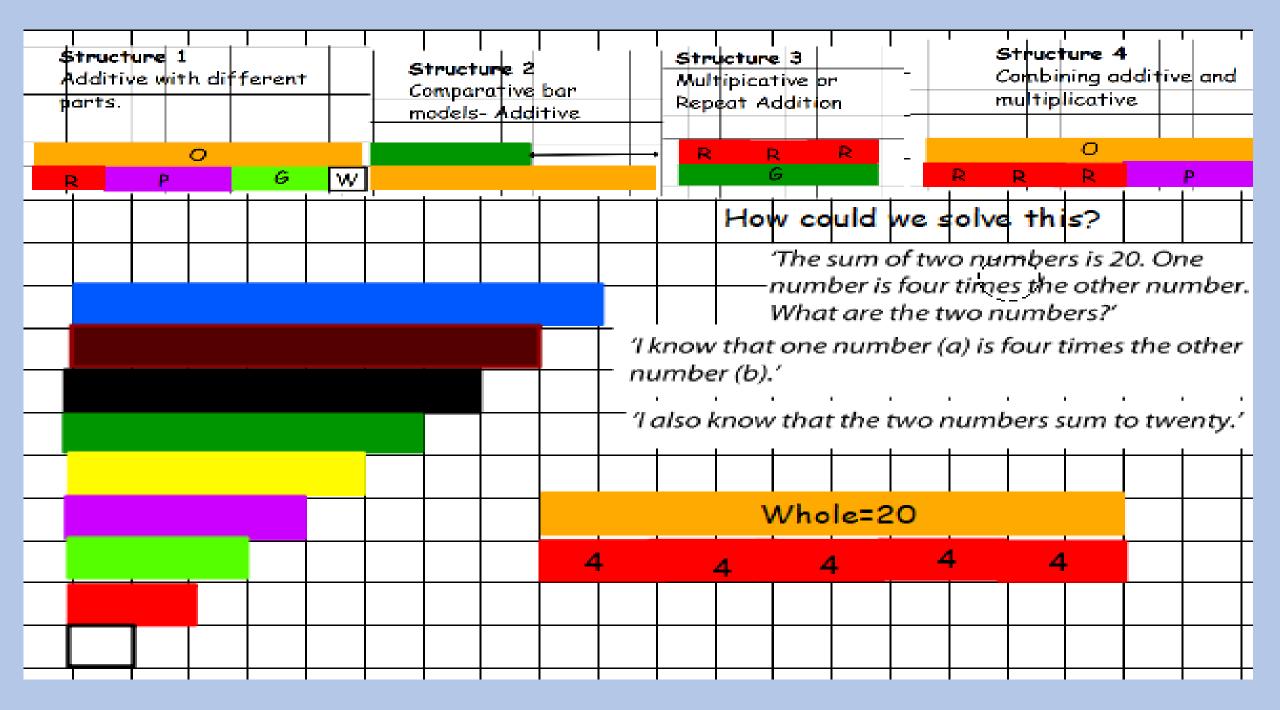
Model with Culsenaire





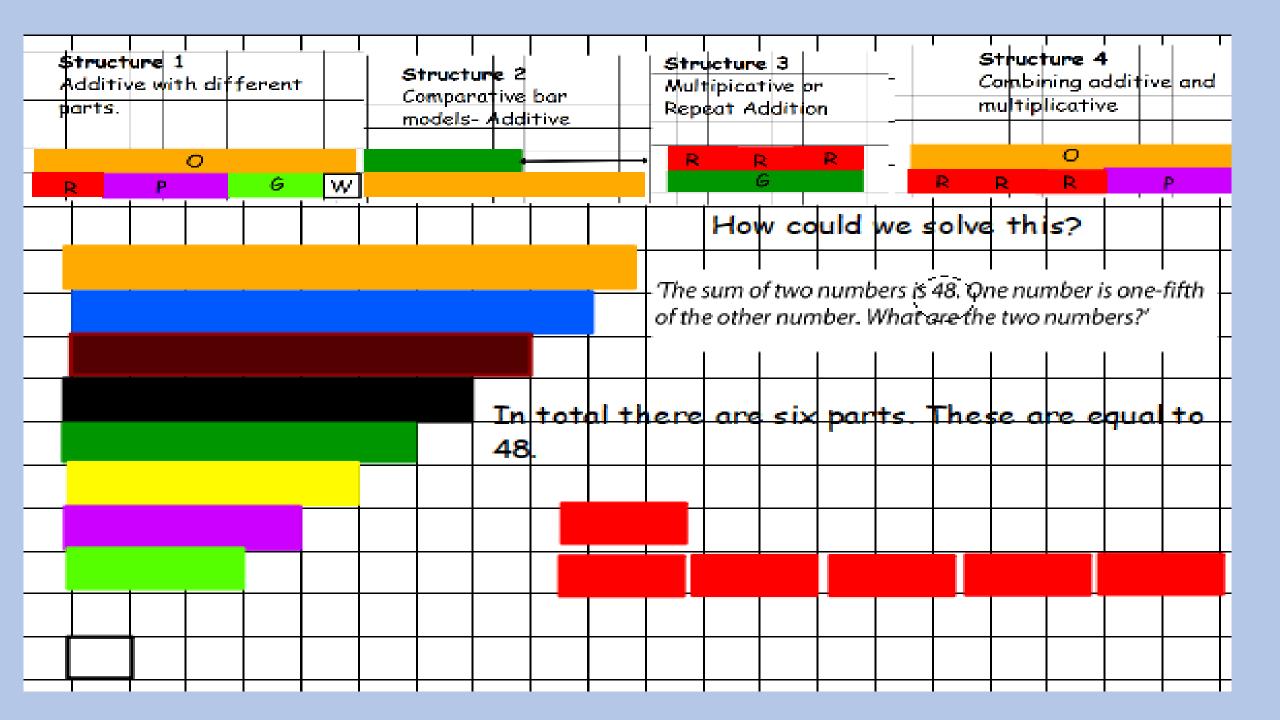






Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative pr Repeat Addition	Structure 4 Combining additive and multiplicative
R P G W		G	RRRP
		How could we	solve this?
		The sum of two numbers i of the other number. Wha	is 48. One number is one-fifth t are the two numbers?'
	Which str	ucture are we usin	and how do we
	know?		1
	What clue	s are there in the	language?

Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative pr Repeat Addition	Structure 4 Combining additive and multiplicative
R P G W		G	R R R P
		How could we :	olve this?
		The sum of two numbers is of the other number. What	48. One number is one-fifth are the two numbers?'
	We know i	n total there is 48	
	We know r	number one is 1/5 c	f number two.
	1		
	5		



Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative pr Repeat Addition	Structure 4 Combining additive and multiplicative
R P G W		G	
		How could we	solve this?
		'Bill earnt £60 doing odd three times as much on S How much did Bill earn e	-jobs one weekend. He earnt Saturday as he did on Sunday. each day?'
	Which st	ructure are we usi	ng and how do we
	know?		
	What clu	es are there in the	e language?

Structure 1 Additive with different parts.	Structure 2 Comparative bar models- Additive	Structure 3 Multipicative or Repeat Addition	Structure 4 Combining additive and multiplicative
R P G W		G	RRRP
		How could we	solve this?
		'Between them, Josie and	l Ellie swam 1.25 km during
		swimming training. Josie	swam $\frac{1}{4}$ of the distance that
		Ellie swam. How far did e	ach of them swim?'
	Which str	ucture are we usi	na and how do we
	knpw?		
	What clue	s are there in the	language?

#### <u>Task</u>

Choose a problem. Use the layout on the left in your books to solve:

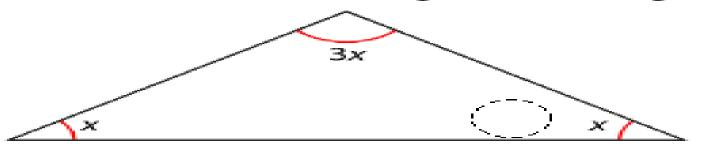
- 'Two numbers have a total of 360. One is three times the other. What are the two numbers?'
- 'Two numbers have a difference of 5.6 and a sum of 8. What are the two numbers?'
- 'My dad and I have a combined mass of 96 kg. My dad's mass is three times as much as my mass. How much is each of our masses?'
- 'It costs £2.65 to buy a watermelon and a pineapple. The pineapple costs 85 p less than the watermelon. What is the cost of each?'
- 'My garden has an area of 78 m<sup>2</sup>. The patio takes up one-third of the area of the garden. The rest is grass. What is the area of the grass?'
- 'Work out the values of a and b, if a + b = 1,000 and a - b = 100'

Are you being asked to compare amounts (then find the difference) or are you being asked to compare multiples of the same amount?

Model with Cuisena	ire-		
Draw Bar Model			
Calculations			
Check			

#### <u>Challenge</u>

'Work out the value of each angle in this triangle.'



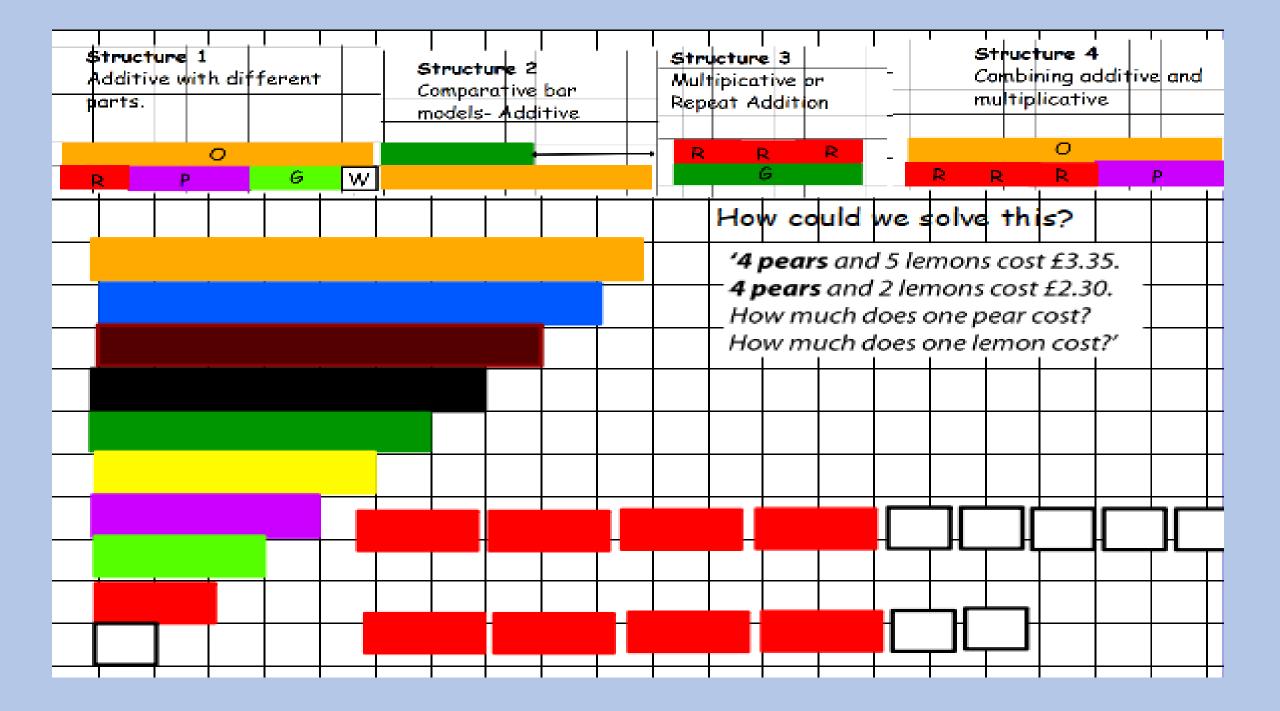
'The ages of Anna, Bella and Cara total 18 years. Anna is two years younger than Bella. Bella is two years younger than Cara.'

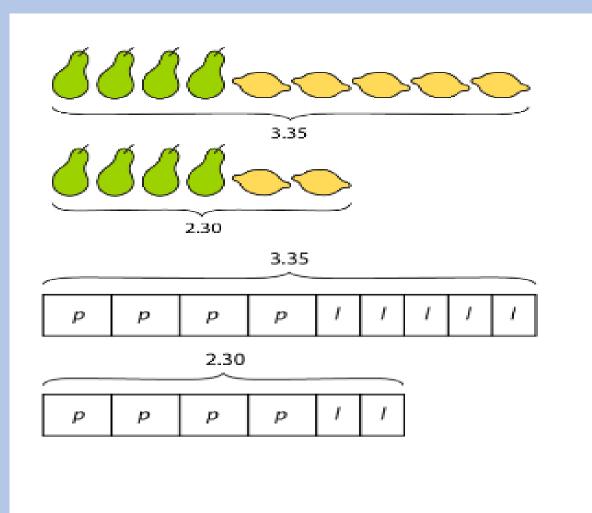
- 'How old is each of them?'
- 'How many years is it until their ages total 50?'

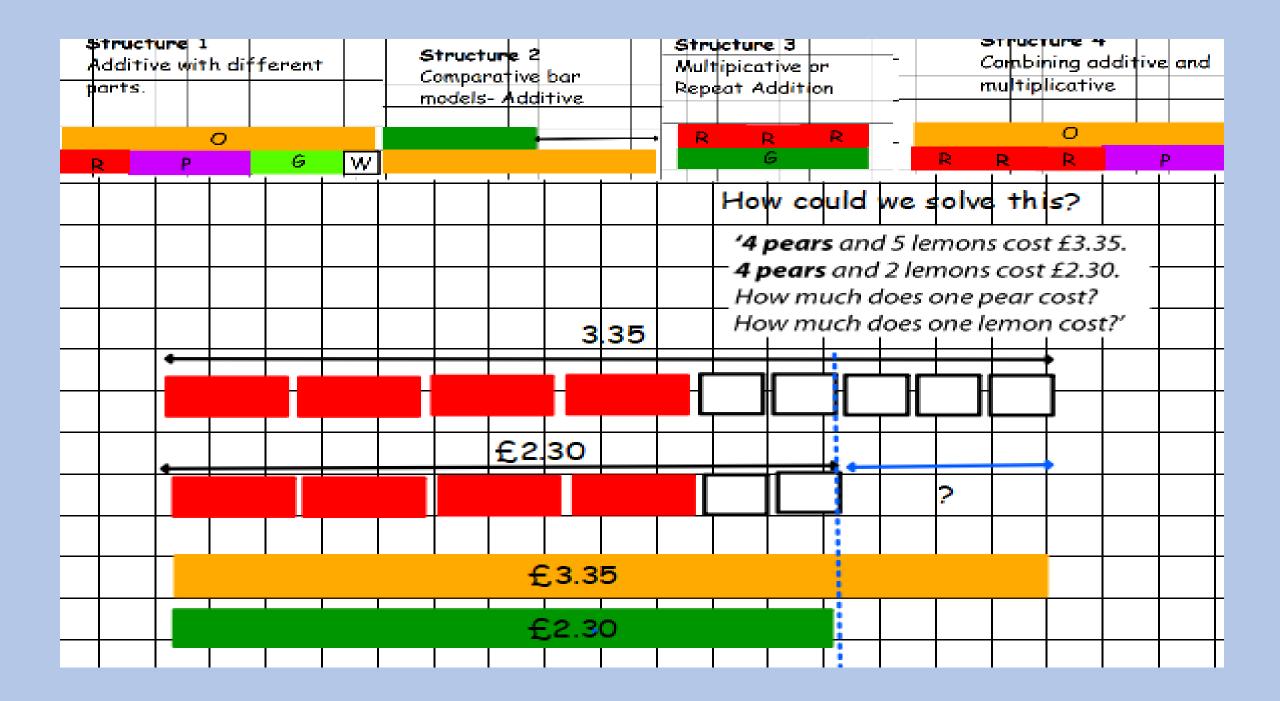
'Together Jess, Safa and Amy ran 25 km between them. Jess ran three times as far as Amy and 3 km further than Safa. How far did Jess run?'

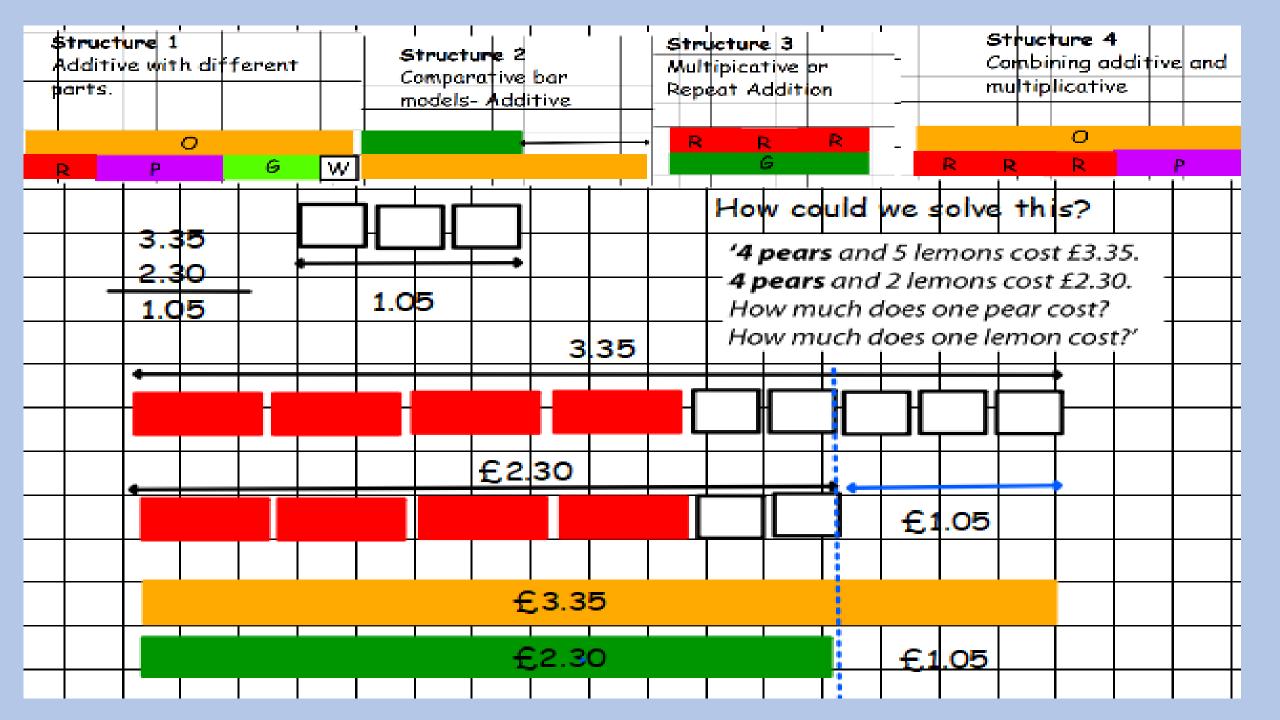
### LO: To identify sum and difference problems

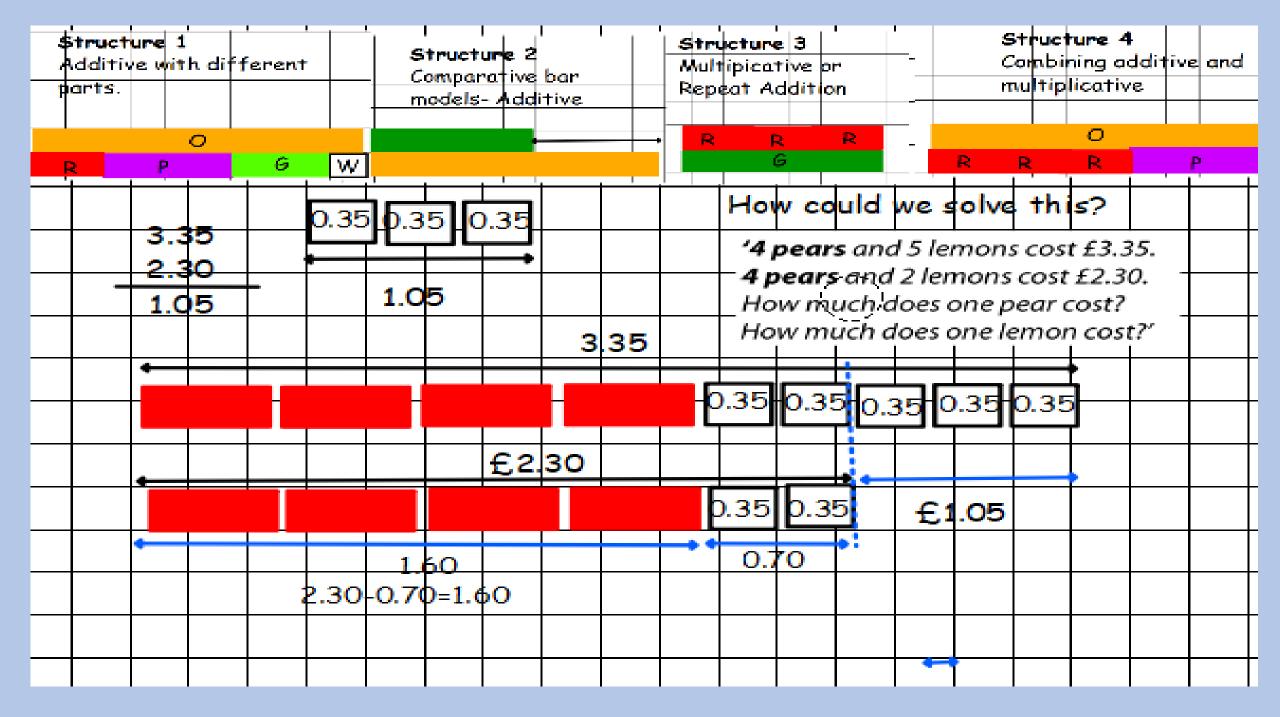
Structure 1 Additive with different parts. O R P G W	Comparative bar Remodels- Additive	ructure 3 Iltipicative pr peat Addition R R R G	Structure 4 Combining additive and multiplicative O R R R P
		How could we	solve this?
		4 pears and 2 le	emons cost £3.35. emons cost £2.30.
			s one lemon cost?'
	Which str	ucture are we u	using and how do we
	know?		
	What clue	s are there in t	he language?

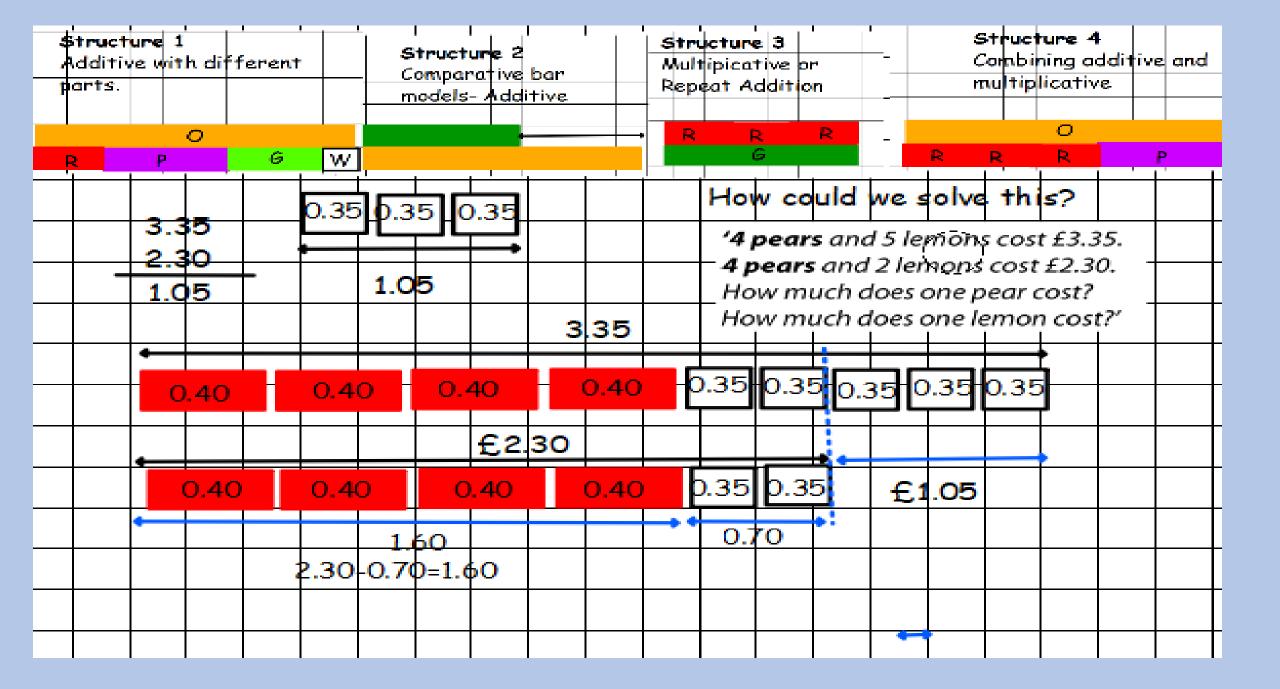


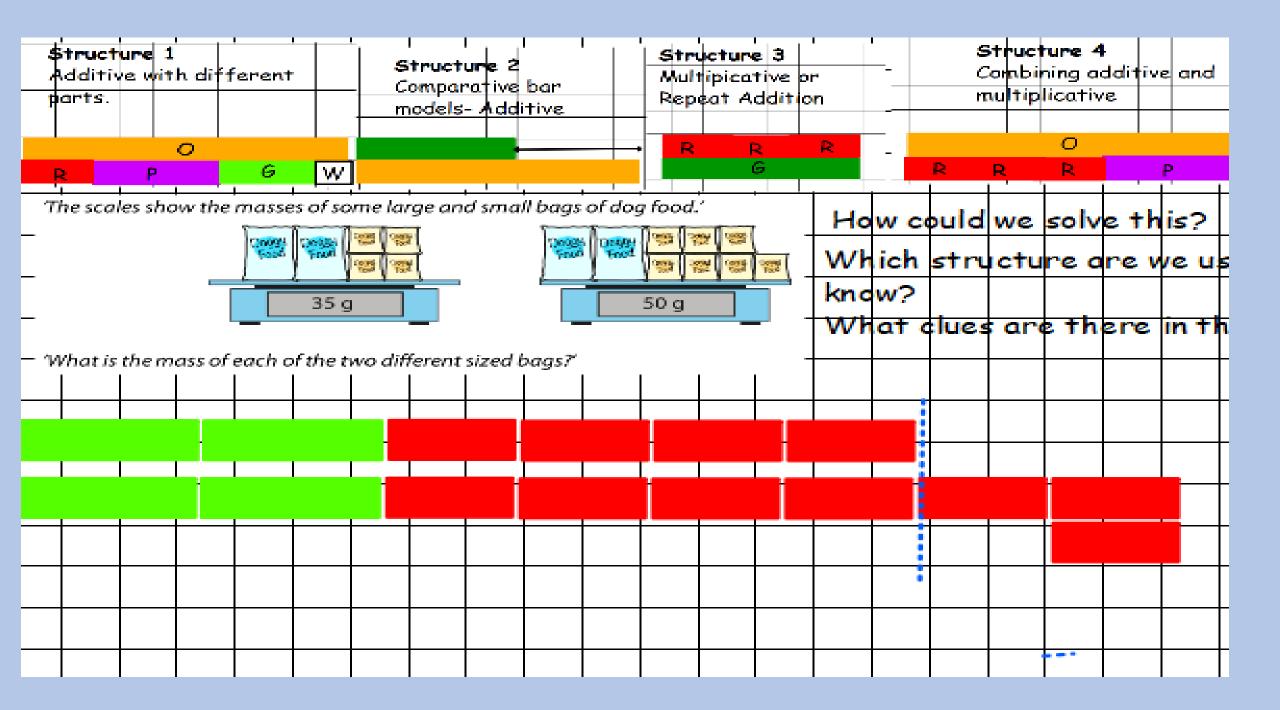


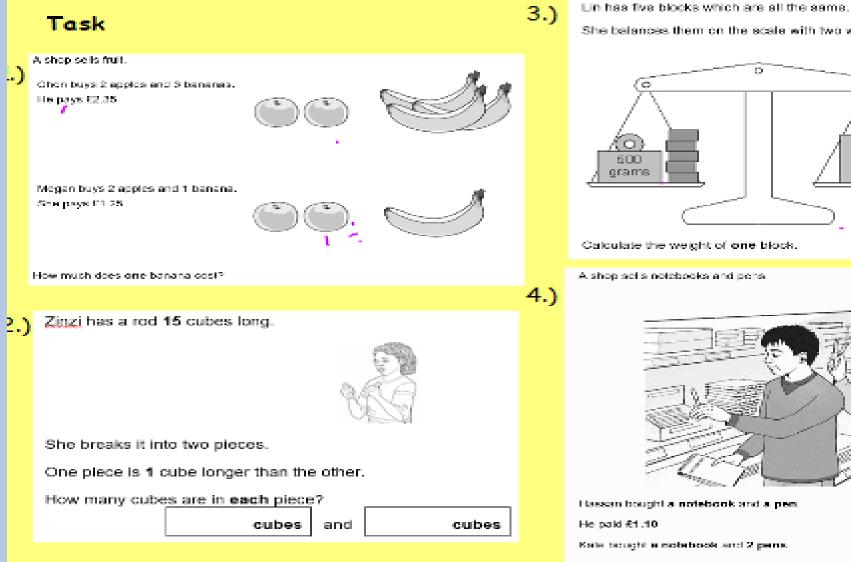




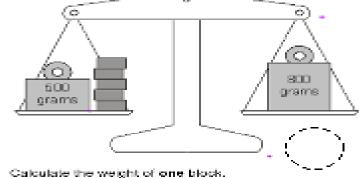








She balances them on the scale with two weights. O.



A shop set is notebooks and pens.



Hassan bought a notebook and a pen. He paid £1.10. Kate bought a notebook and 2 perce. She paid £1.45

Calculate the cost of a notebook.

The second standard literation of the interview of the second standard st manager and the manager is the second of the second s

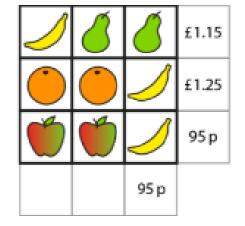
#### Extension

Two mugs of hot chocolate and a sandwich costs £6.80.

Two sandwiches and a mug of hot chocolate costs £7.15.

- How much does a sandwich cost?
- How much does a mug of hot chocolate cost?'

'The diagram shows the total cost of the items in each row and column. Fill in the two missing costs.'



A cup of tea and a biscuit costs  $\pounds$ 1.30.

A cup of tea costs 60p more than a biscuit.



How much does a biscuit cost?



<sub>E</sub> A cup of coffee and an apple costs  $\pounds$ 1.80.

 $X_{T}$  The cup of coffee costs three times as

 $_{\rm E}^{\rm I}$  much as the apple.

How much does a



The sum of four whole numbers is 23.

The difference between the smallest and the largest number is 6.

All four numbers are different.

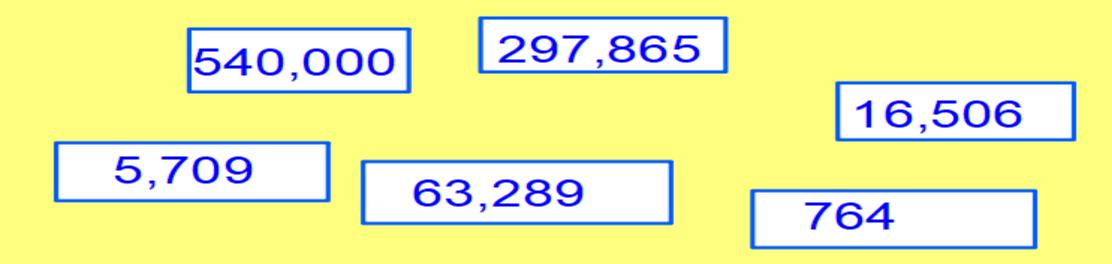
What could the four numbers be? Find all the possible answers to this question.

Explain how you know that this statement is correct: A = The largest number must be more than 7'

The sum of four numbers is 25. All four numbers are different.
 The difference between the smallest and the largest number is 4.
 All four numbers are multiples of 0.5
 What could the four numbers be?
 Find all the possible answers to this question.
 One answer: 4, 5.5, 7.5, 8

### LO: To solve addition and subtraction problems in context

- 5.
- 1. Choose 2 numbers to make a subtraction sentence from (Check that you are subtracting from the larger number)
- 2. Estimate what you expect your answer to be
- 3. Calculate
- 4 Check by using the inverse operation



Write a word problem on lined paper SWap with a partner Draw a bar model for the problem in your exercise book Solve the subtraction calculation Check with addition

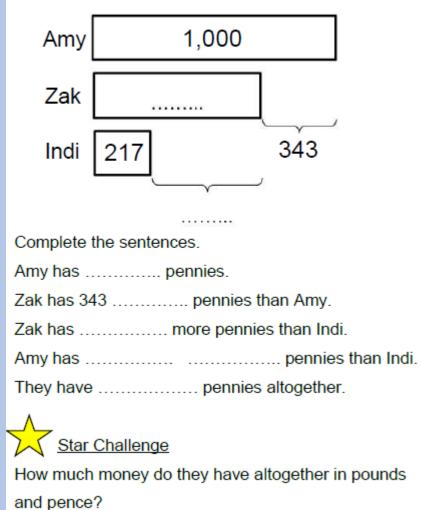
Challenge Can you create twostep problems

	4,567 3,871	Cakes apples footballs	What is the difference? How much
Class Member	17,029		more?
	19,515	attended a football/ rugby	How much less?
	21,001	match	
		goals scored	
	2,010	pages read	

1.Liam makes £4,567 selling cakes in March and £3,871 in April. How much more did she make in March? 2.Kiana eats 3,096 apples in 2018 and 2,871 in 2017. What is the difference in the two amounts?

## **Deeper Thinking**

Amy, Zak and Indi collect pennies. Their amounts are shown in the diagram. Complete the missing values.



### On whiteboards...

Draw me a bar model to represent this problem and the associated empty box number sentences.

The shop keeper has 15.78 metres of ribbon. She sells 8.4 metres - how many metres does she have left?

Can you spot this child's error? Explain where they have gone wrong to your partner.

15.78 - 8.4 =

15.78 <u>8.4</u> <u>8</u>

# Remind me how we can solve this calculation:

8.002 - 5.99 =

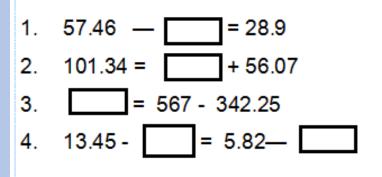
Choose 2 numbers to make a subtraction number sentence. Write the number sentence. Calculate and then check using the inverse

13.89 124.14 5.67 3.7 3.234 0.09 8.4 When you have done 6 successfully

collect a problem solving sheet from the front of the class.

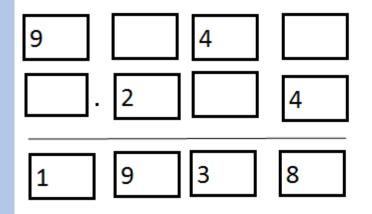
#### Thinking Deeply 1

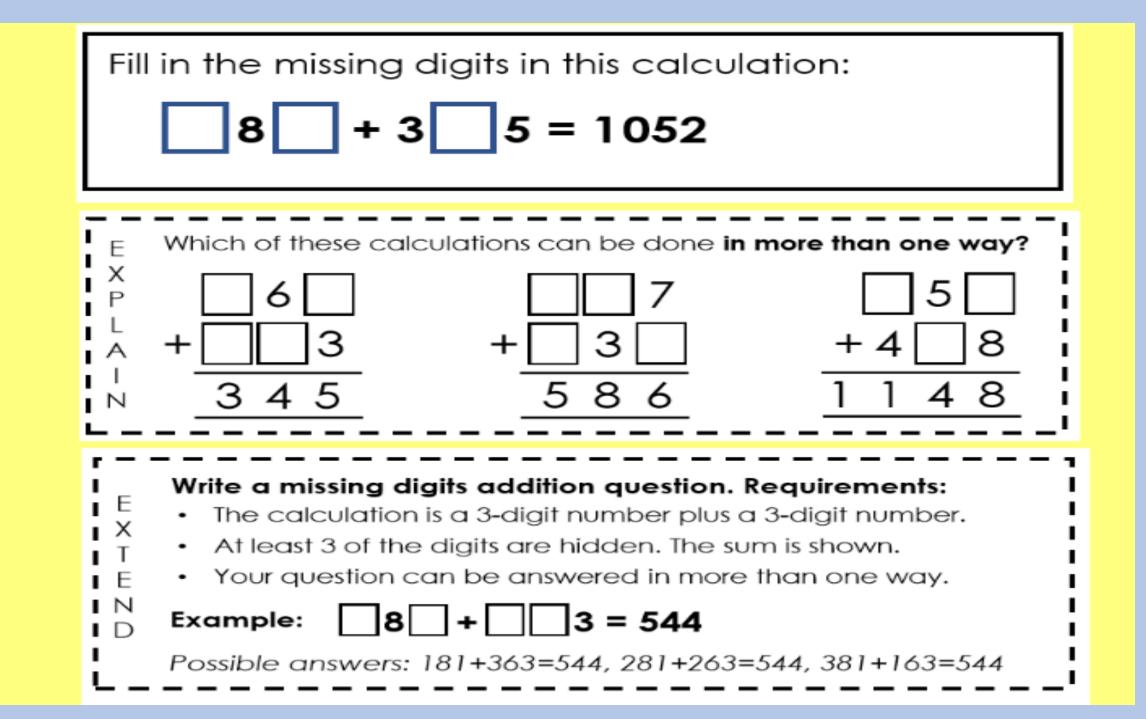
Write the number sentence out and find the missing number

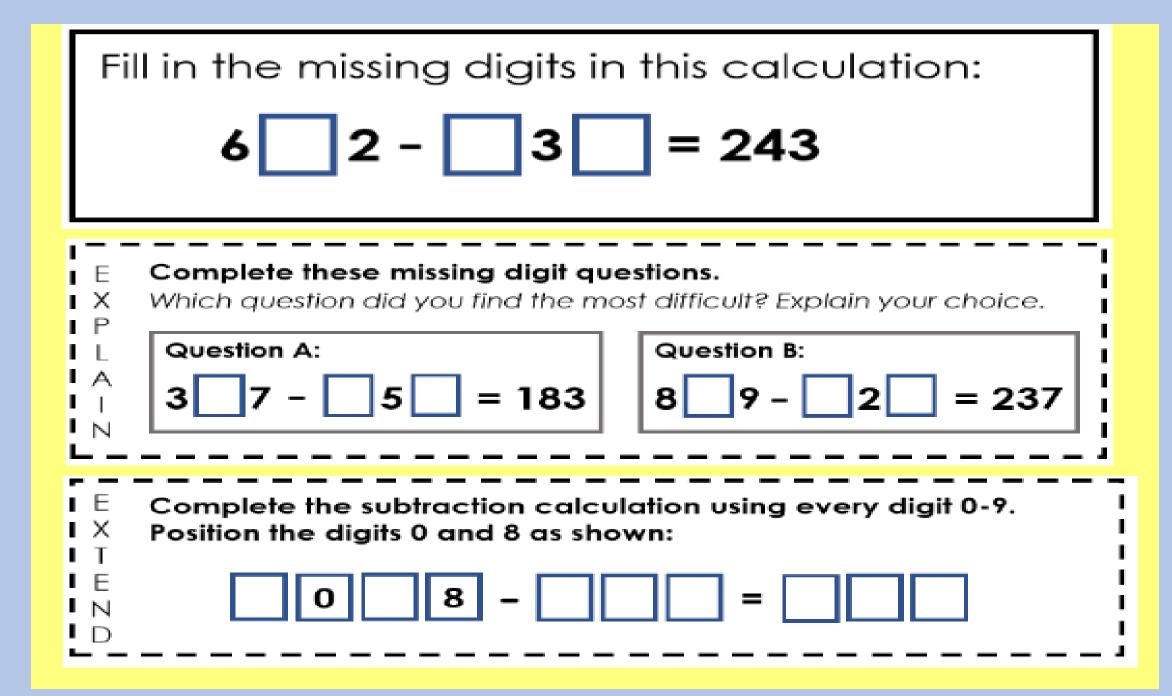


#### Thinking Deeply 2

Fill in the missing numbers:







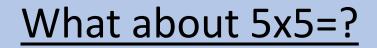
LO: To identify common factors

What do we know about this number sentence?

5x0=

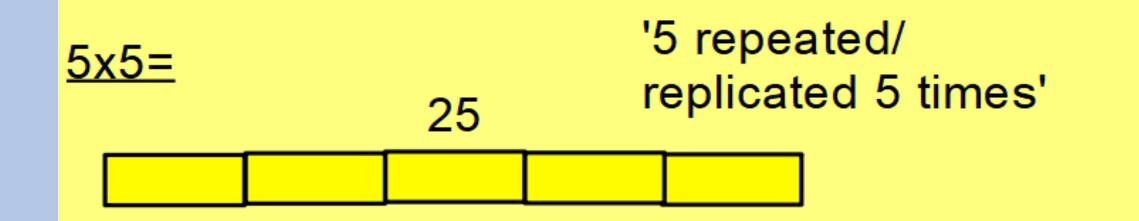
### Can we show it with cuisenaire?





## What is the same/ different about this and 5x0?

Show me 5x5 with cuisenaire:



<u>5x1=</u>

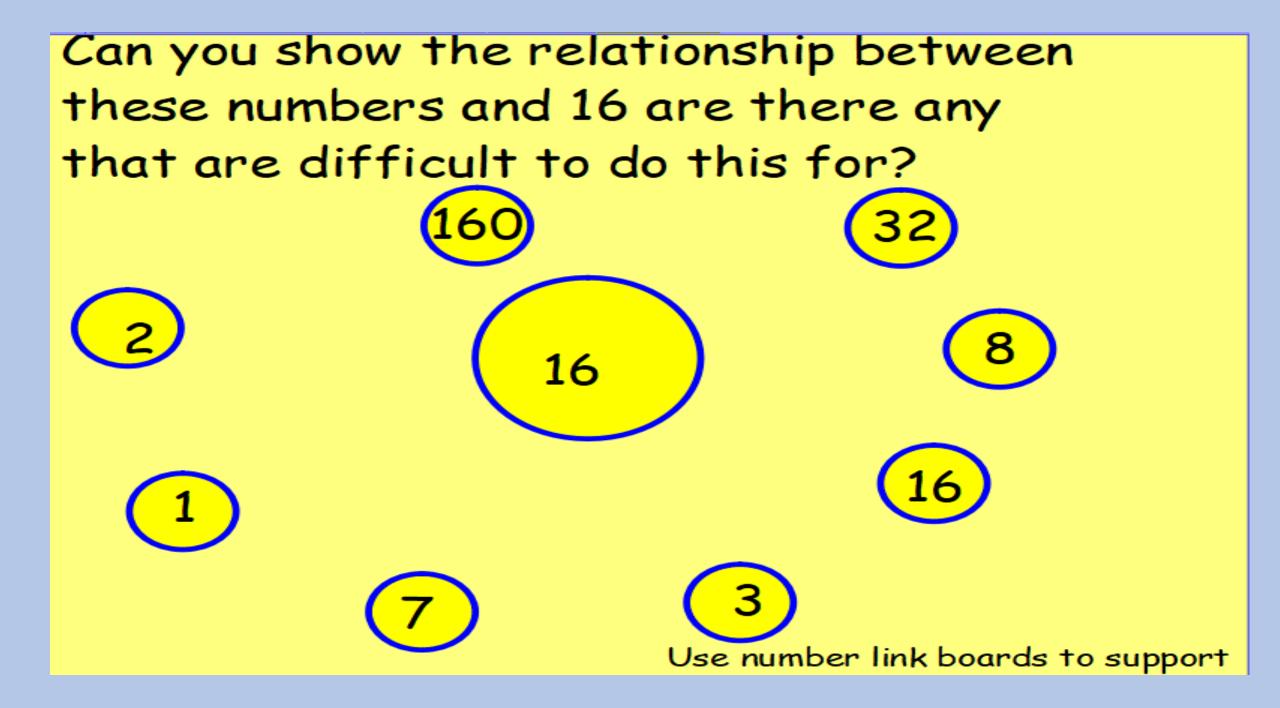
5

<u>5x0=</u>

0

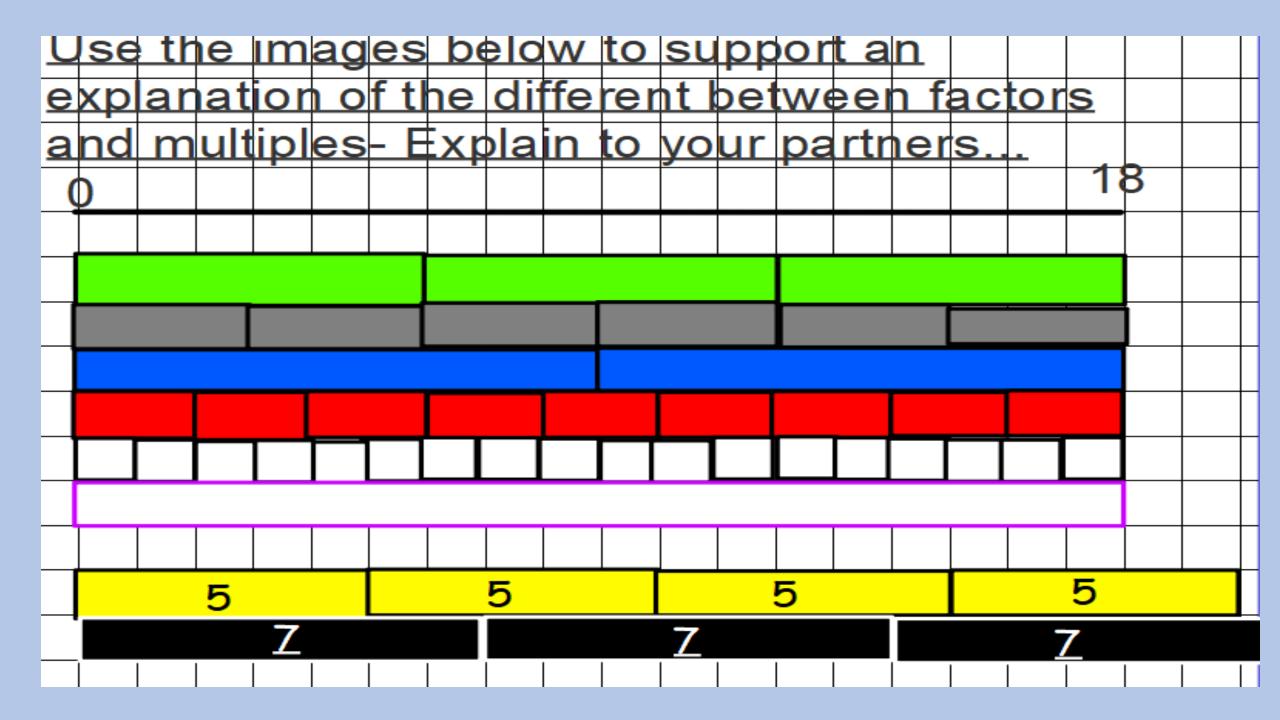
'5 repeated/ replicated 1 time'

> '5 repeated/ replicated 0 times'

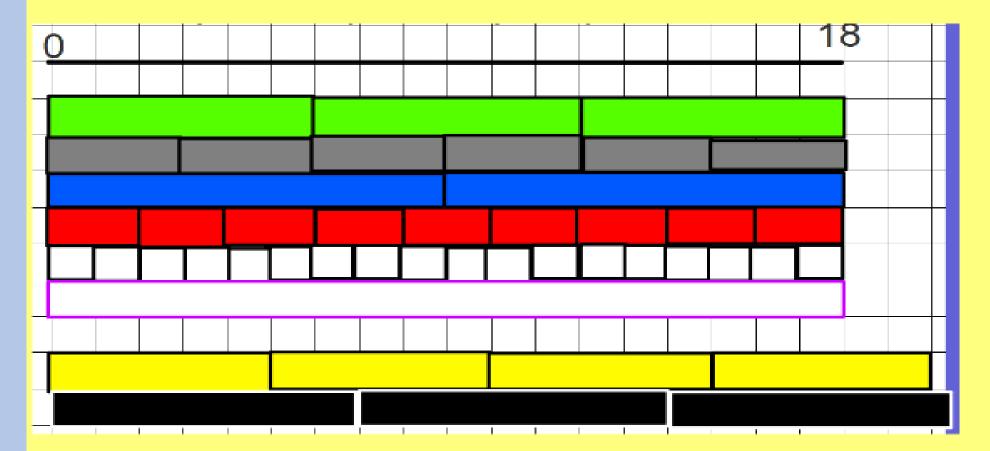


Who can now show me with your cuisenaire tracks, why 7 and 3 are not factors of 16

## Use the rods to find the factors of



Factors- A number that divides exactly into another number e.g. 6x3=18 18 divided by 6=3. 18 divided by 3=6. Multiples- The numbers in a specific times table. e,g, 5, 10, 15, 20 etc... Multiples of 5



#### Investigate the following statements

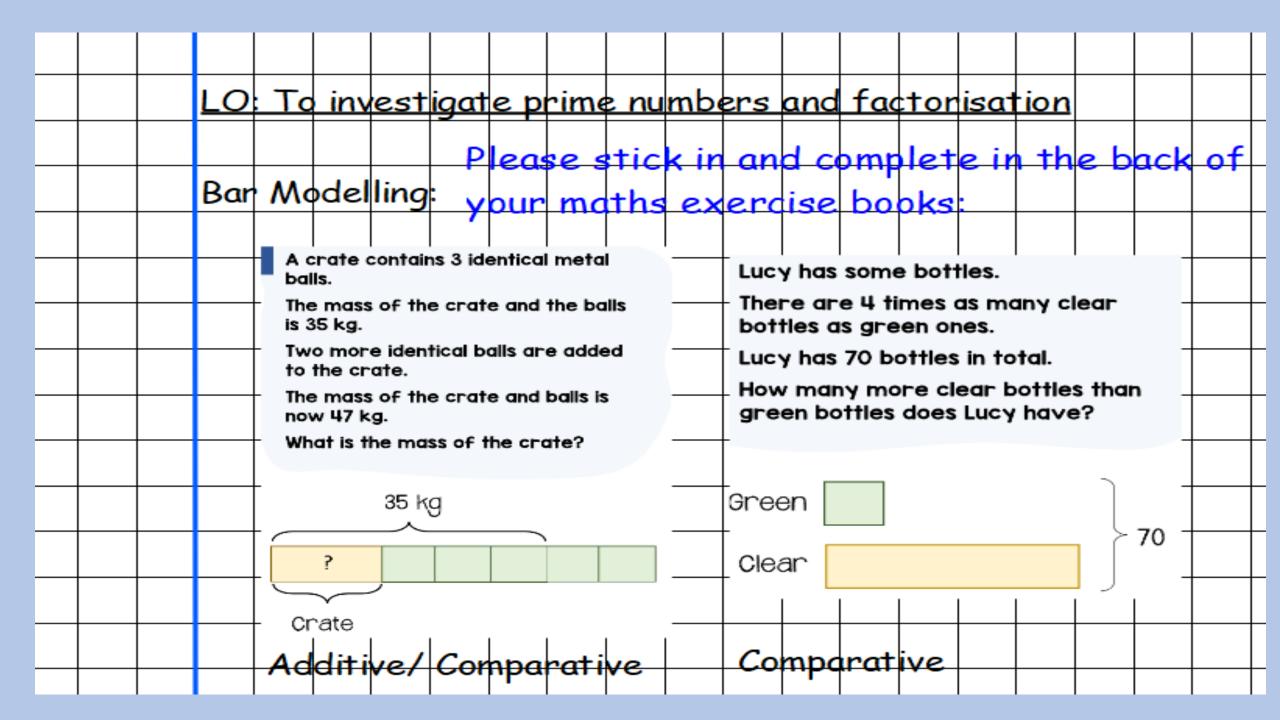
The larger the number the more factors it will have.

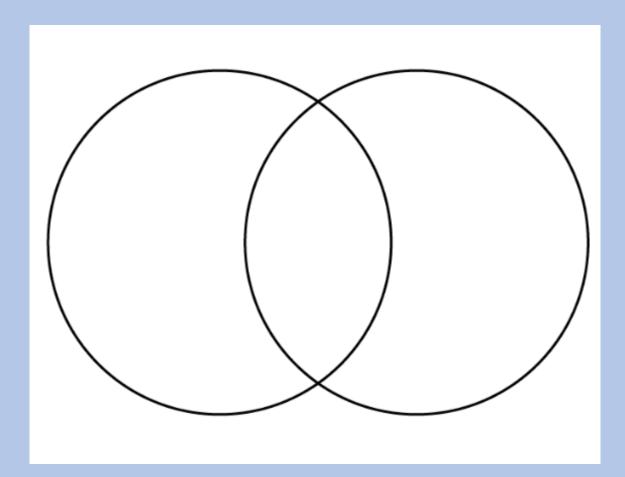
 Start by writing what you think you will find out and why. Even numbers have more factors than odd numbers

2. Investigate systematically to see if you are correct

## I think that... because...

number	factors	number of factors		





Sort the following numbers onto the diagram:

A prime number: Is a number that is divisible by only itself and the number 1.

2 is the first prime number and the only even prime number

https://www.youtube.com/watch?v=cRz4hW9SPPc



#### LO: To use Eratosthenes Sieve to find prime numbers to 100

Find all the prime numbers by colouring all multiples of 2, 3, 5 and 7. You need to start <u>from the **second** multiple</u> and you also need to colour the number 1. Why do you think this is? Why do you not need to worry about the multiples of 4, 6, 8 and 9? Start with the two times table. You should then be left with all the prime numbers up to 100 uncoloured. This is Eratosthenes Sieve!

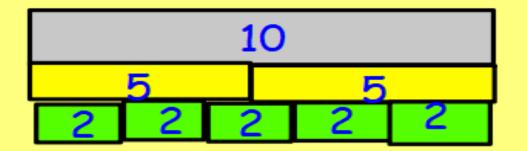
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

https://www.youtube.com/watch?v=V08g\_lkKj6Q

If a prime number is a number only divisble by itself and one, what is a prime factor?

Is it...

A factor of a number only divisible by itself and one?

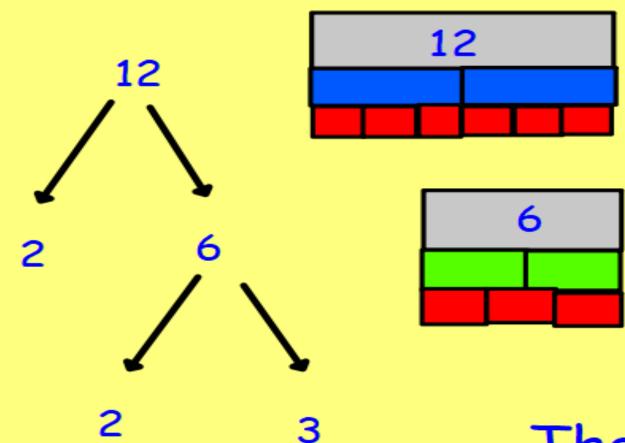


#### Or...

11

A prime number that is odd...

13



How do we know w have found our Prime Factors?

Therefore...

2x2x3=12

## Can anybody think of a different factor tree for 12?

Choose a number from below to create a factorisation tree and then write down the prime factors.

- See if you can factorise the number in a different way.
- When you have done a 2 digit and a 3 digit number see if you can explain how you work out what the prime factors of a number are.

20 48 35 120 512

**Deeper Thinking** The number 24 has eight factors. (1, 2, 3, 4, 6, 8, 12 and 24) Write another number, less than 50, that has exactly eight factors and list them.

Explain your choice...