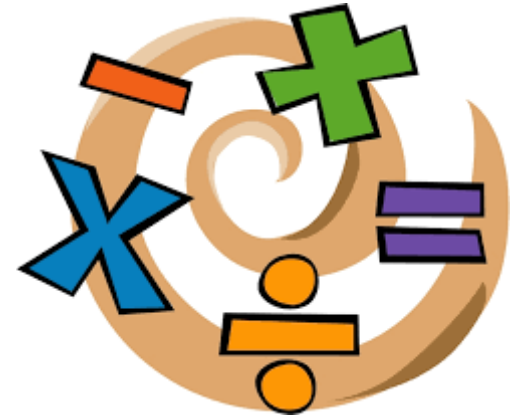


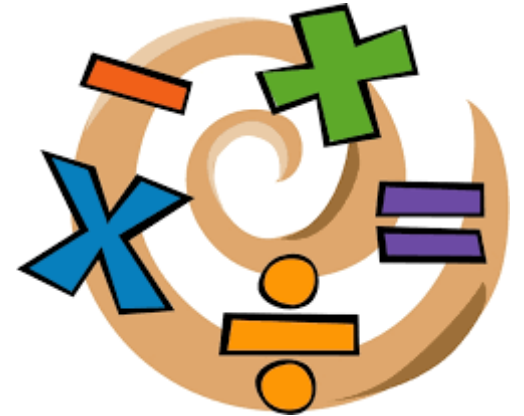
22.11.21



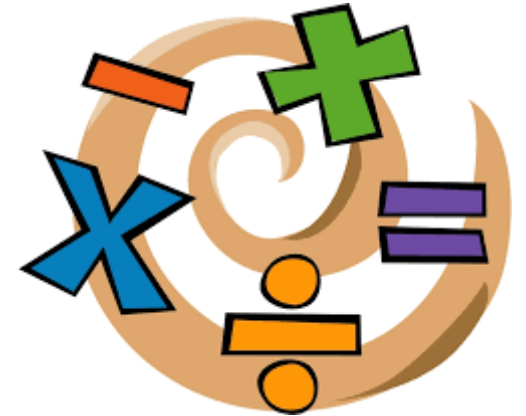
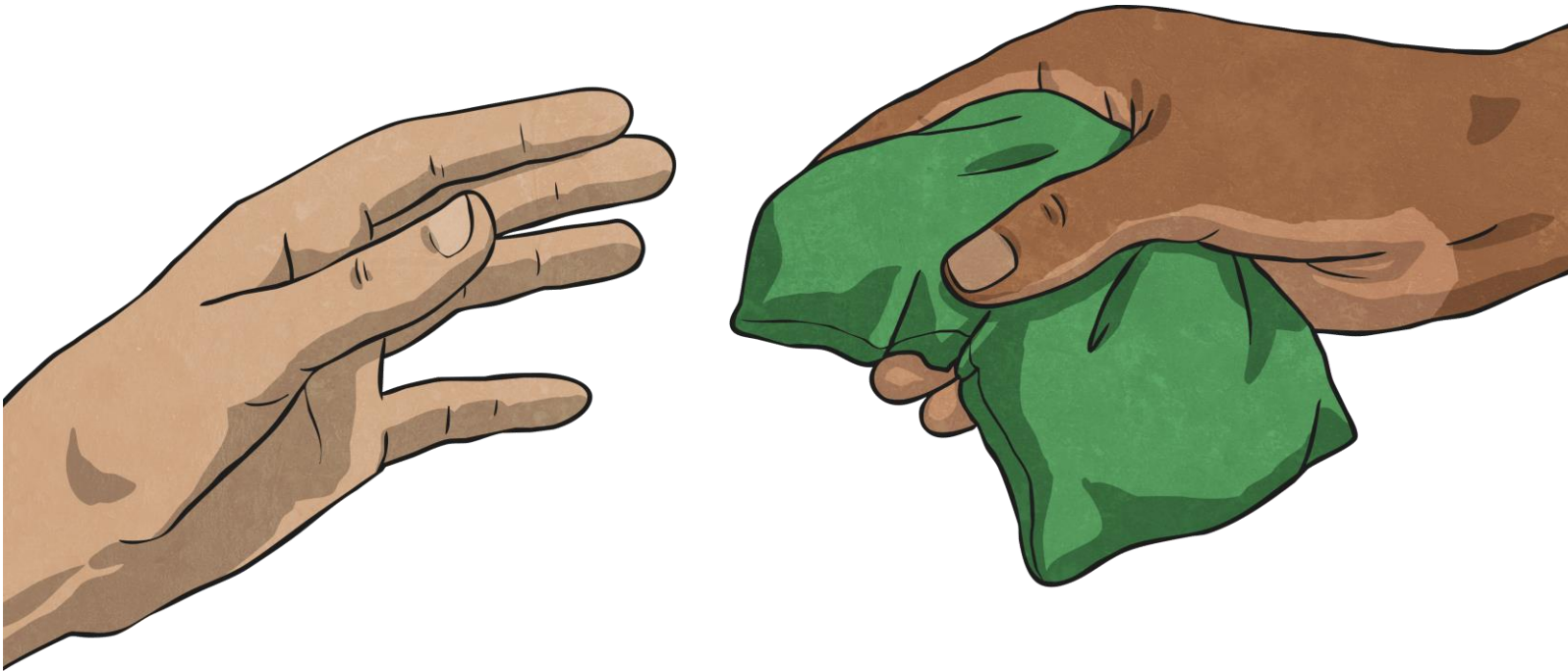
WALT: Add ones to three-
digit numbers

Key Vocabulary

- Add
- More
- Groups of
- Plus
- Increase
- Total
- Sum
- Altogether
- Ones
- Tens
- Hundreds



Introduction



Sit in a circle and start from 54.

Pass the beanbag around the circle, counting on in steps of 1.

If I shout 'swap', change direction

$$345 + 2 = 347$$

$$345 + 4 = 349$$

$$345 + 5 = 350$$



BARRIER CROSSING



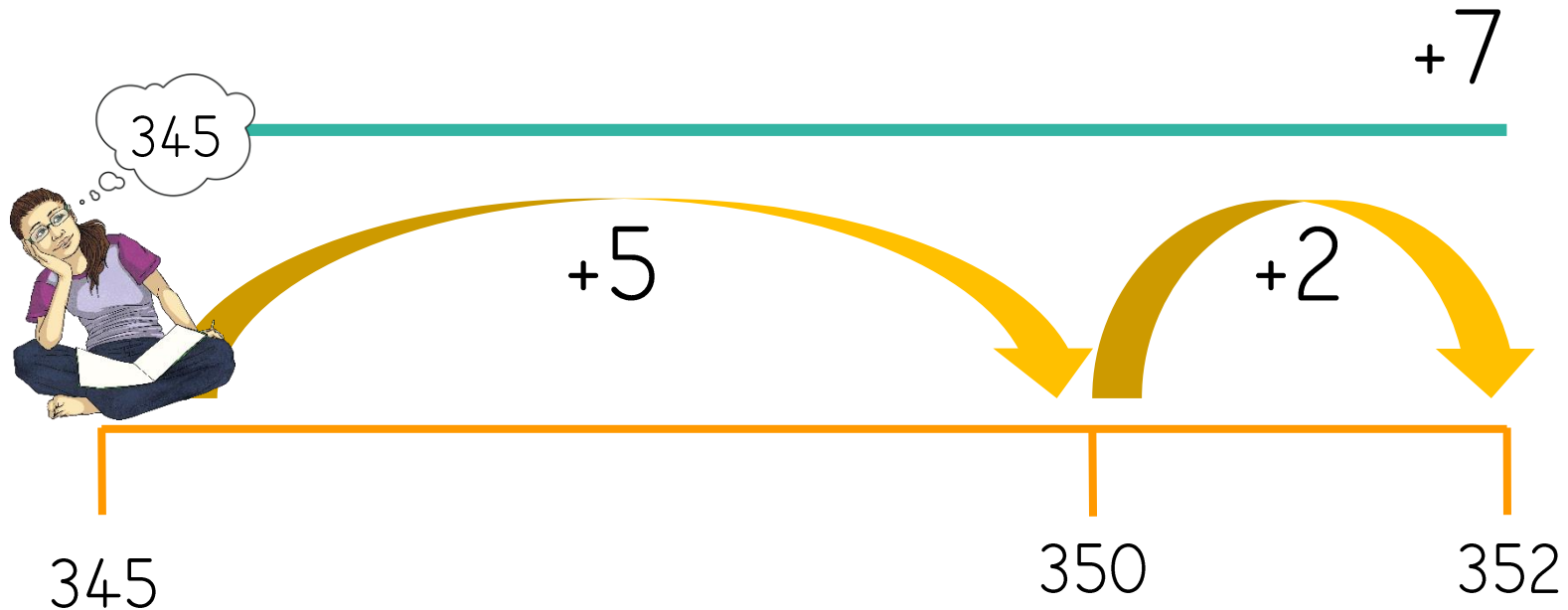
To work this out, you can use a range of methods.

- The first method you can use is using your fingers.
- Place the biggest number in your head.
- Hold 7 fingers up.
- Carry on counting 7 more from 345 using your fingers to help you.
- The answer is 352.



Another way to help you work this out is by using number bonds to 10.

■ Place the biggest number in your head.



■ Count 5 to get to 350
then add the
remaining 2.

■ The answer is 352.

Fluency

A

1. $25 + 5 =$

2. $48 + 2 =$

3. $182 + 6 =$

4. $321 + 8 =$

5. $629 + 3 =$

B

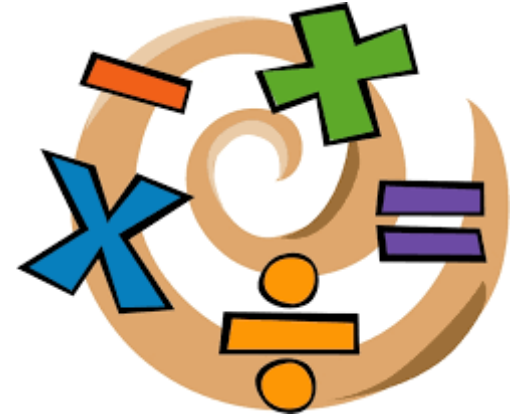
1. $89 + 3 =$

2. $512 + 6 =$

3. $736 + 8 =$

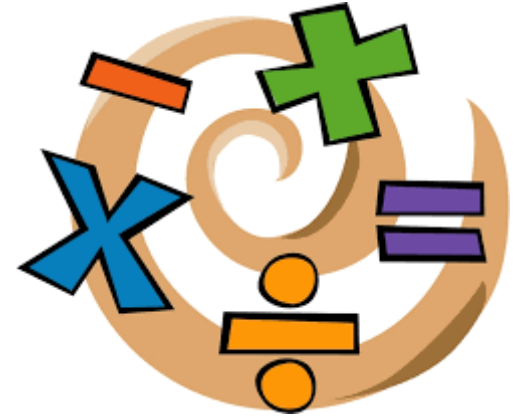
4. $632 + 9 =$

5. $379 + 4 =$

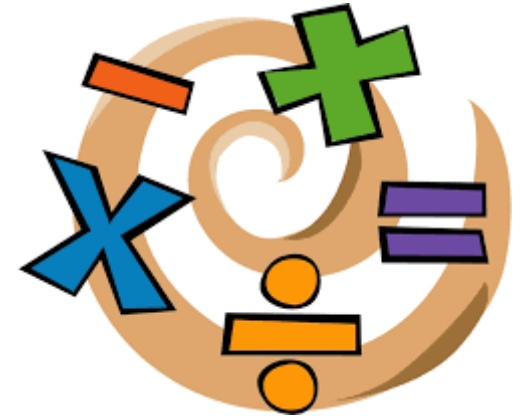
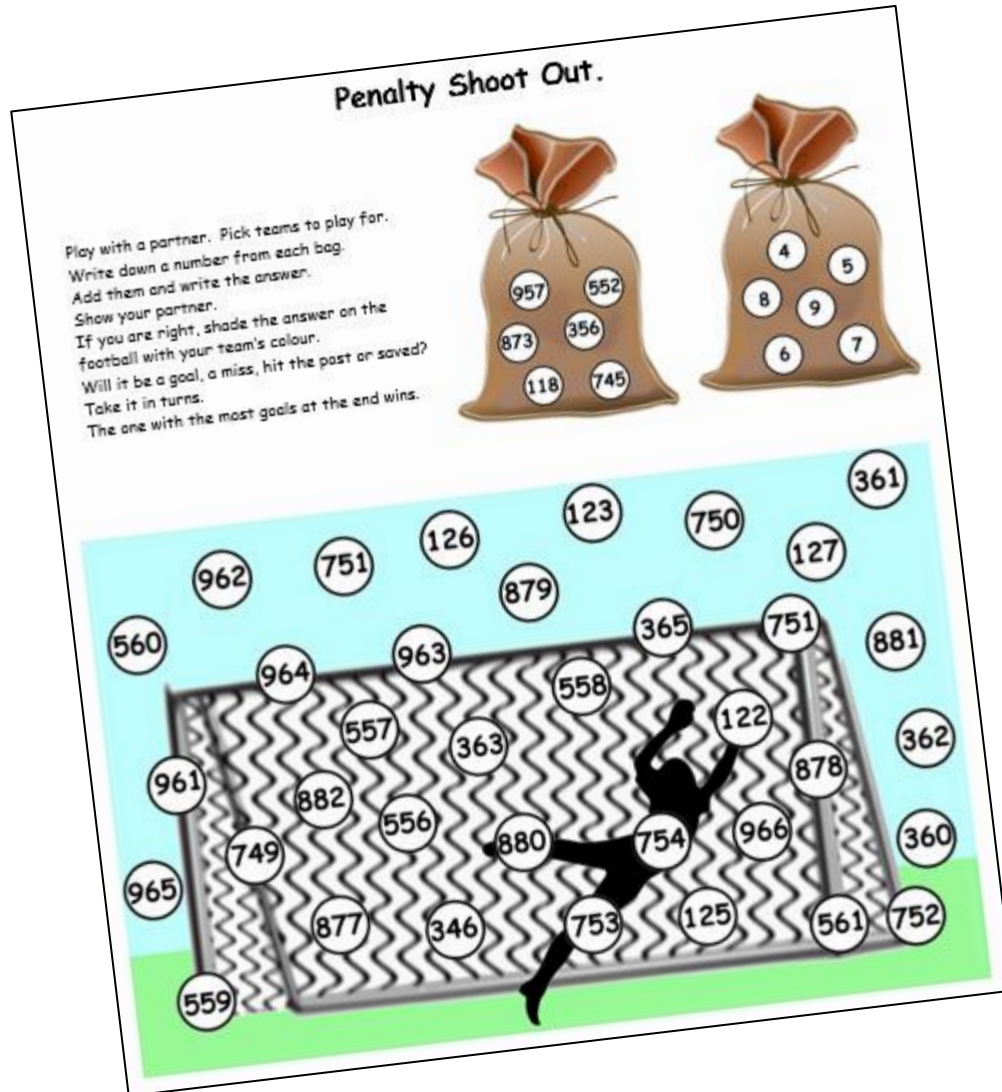


Reasoning

Adriel's football team have scored 123 goals so far this season. In the next match, they score 7 goals. How many goals have they scored altogether?

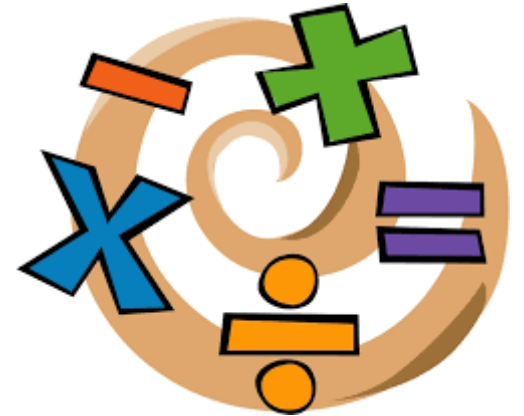


Problem Solving



Working with a partner, play the penalty shoot out game. Follow the instructions on the sheet and colour in the balls according to your teams.

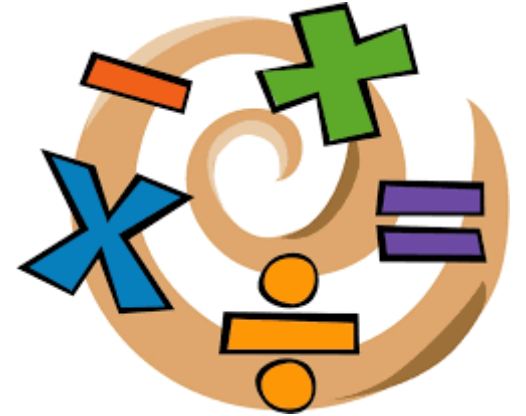
23.11.21



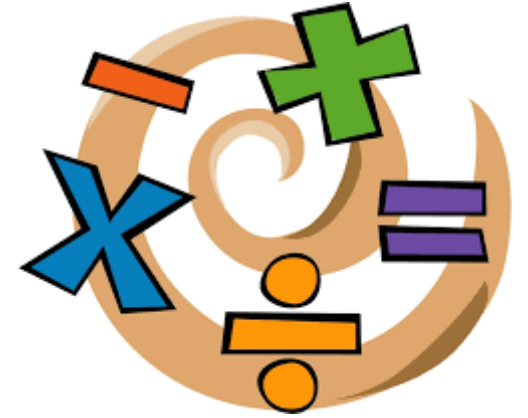
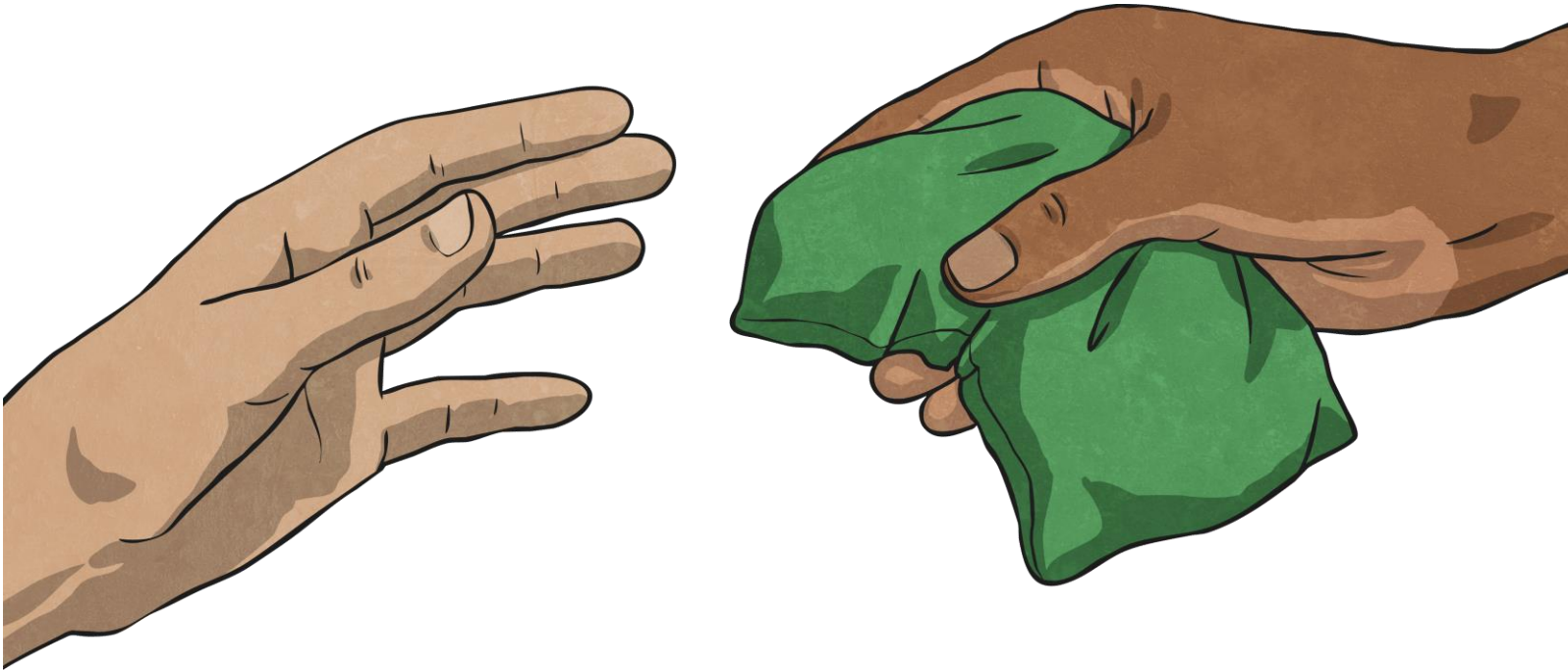
WALT: Add tens to three-
digit numbers

Key Vocabulary

- Add
- More
- Groups of
- Plus
- Increase
- Total
- Sum
- Altogether
- Ones
- Tens
- Hundreds



Introduction

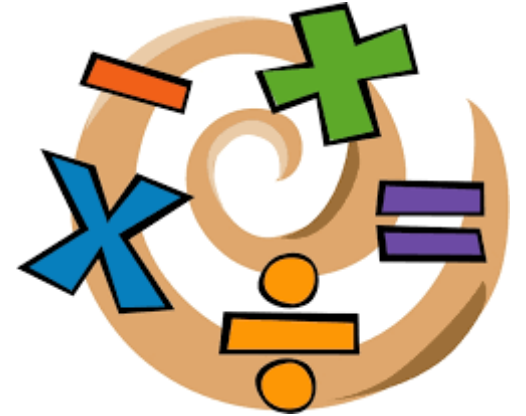


Sit in a circle and start from 24.

Pass the beanbag around the circle, counting on in steps of 10.

If I shout 'swap', change direction

Introduction



Tens	Ones		Tens	Ones		Tens	Ones
7	5	+	2	0	=	9	5

- The ones column NEVER changes.
- The tens column ALWAYS changes
- Other (larger) columns MAY change

$$335 + 10 = 345$$

$$335 + 20 = 355$$

$$335 + 50 = 385$$



BARRIER CROSSING

To work this out, you can use a range of methods.

- The first method you can use is using your fingers.

- Place the biggest number in your head.

- Hold 7 fingers up.

- Carry on counting 70 more from 335 using your fingers to help you count in tens.

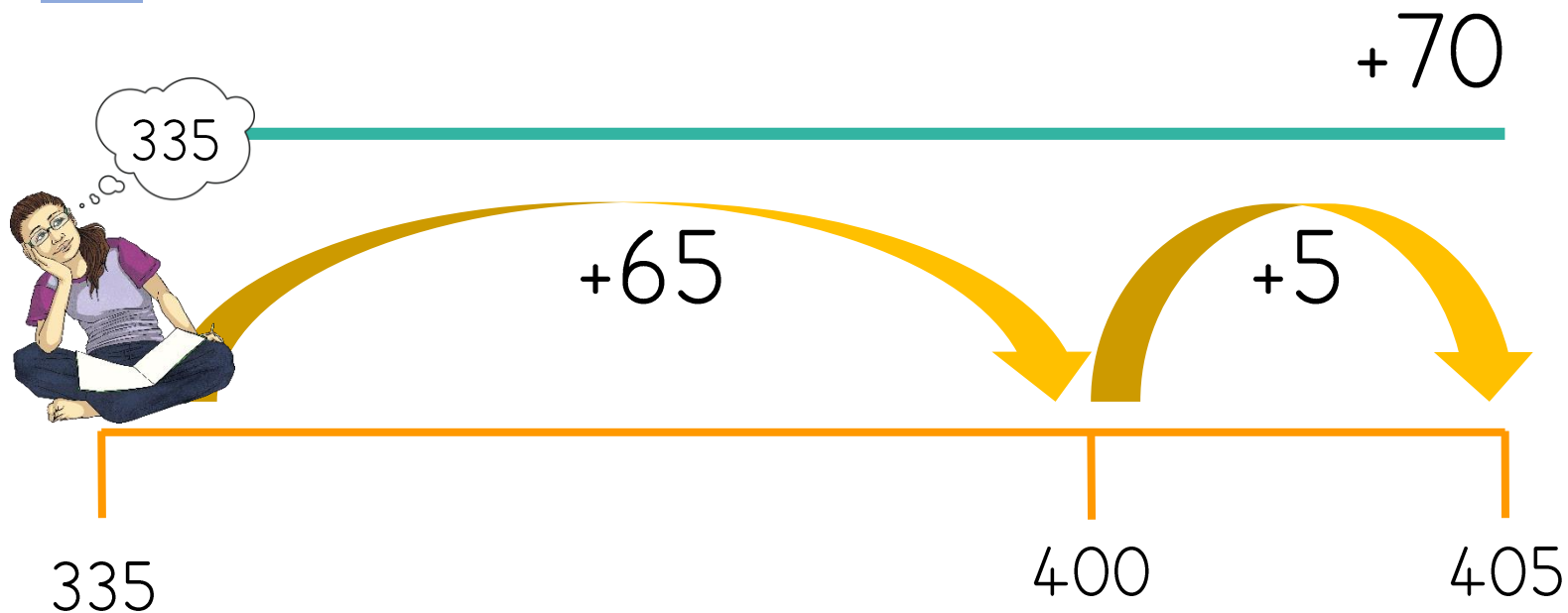
- The answer is 405.

$$335 + 70 =$$



Another way to help you work this out is by using number bonds to 100.

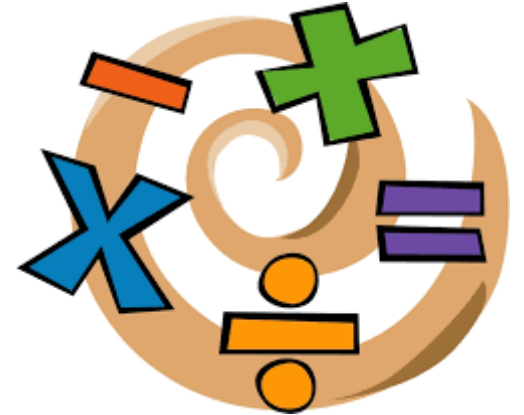
■ Place the biggest number in your head.



■ Count 65 to get to 400 then add the remaining 5.

■ The answer is 405.

Fluency



A

1. $37 + 50 =$
2. $53 + 20 =$
3. $26 + 30 =$
4. $41 + 50 =$
5. $932 + 20 =$

B

1. $73 + 20 =$
2. $829 + 30 =$
3. $337 + 40 =$
4. $219 + 80 =$
5. $762 + 40 =$

C

1. $245 + 40 =$
2. $729 + 60 =$
3. $820 + 90 =$
4. $485 + 40 =$
5. $298 + 30 =$

Reasoning

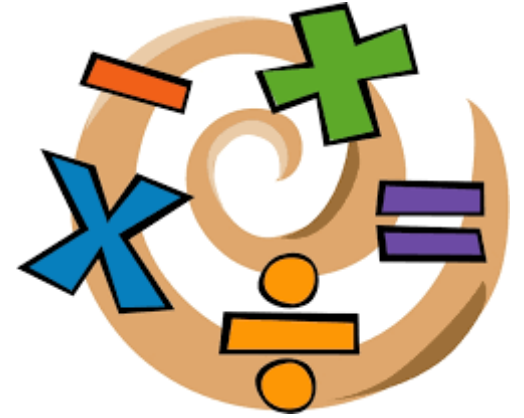
Mr Clark said:

“In the supermarket. There are 190 apples and 20 pineapples. How many apples and pineapples are there altogether?”

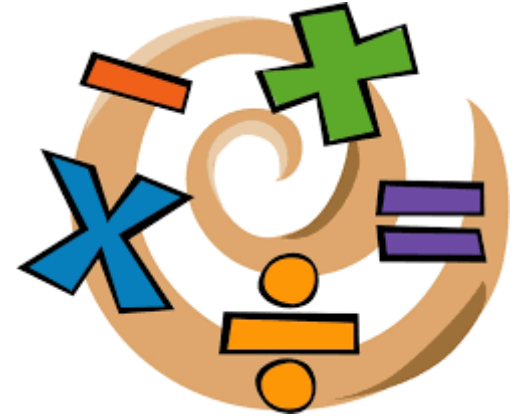
Bob:

“Easy, there must be 192!”

Work out the correct answer and explain what Bob did wrong.



Problem Solving



“3 odd numbers add up to make an even number”

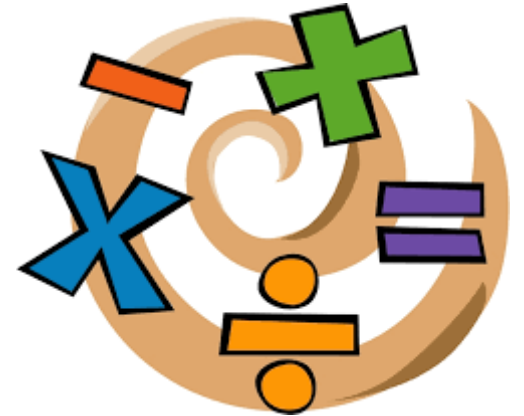
Always?

Sometimes?

Never?

Explain using your
own examples.

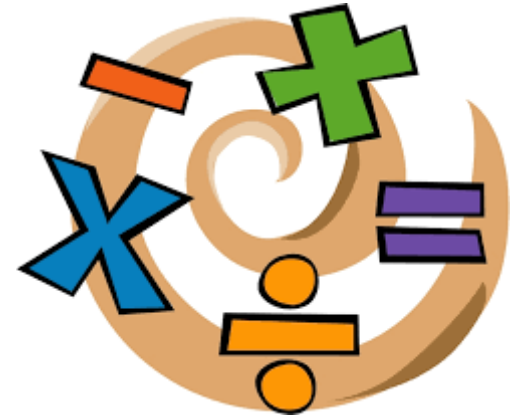
24.11.21



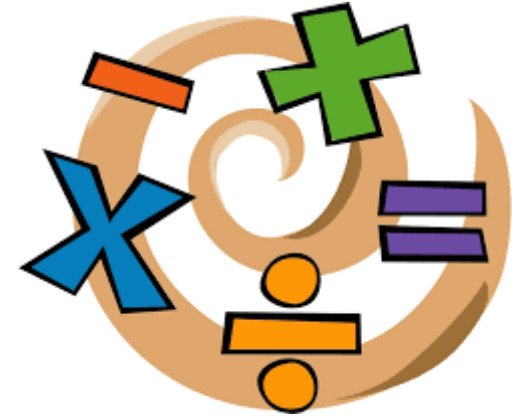
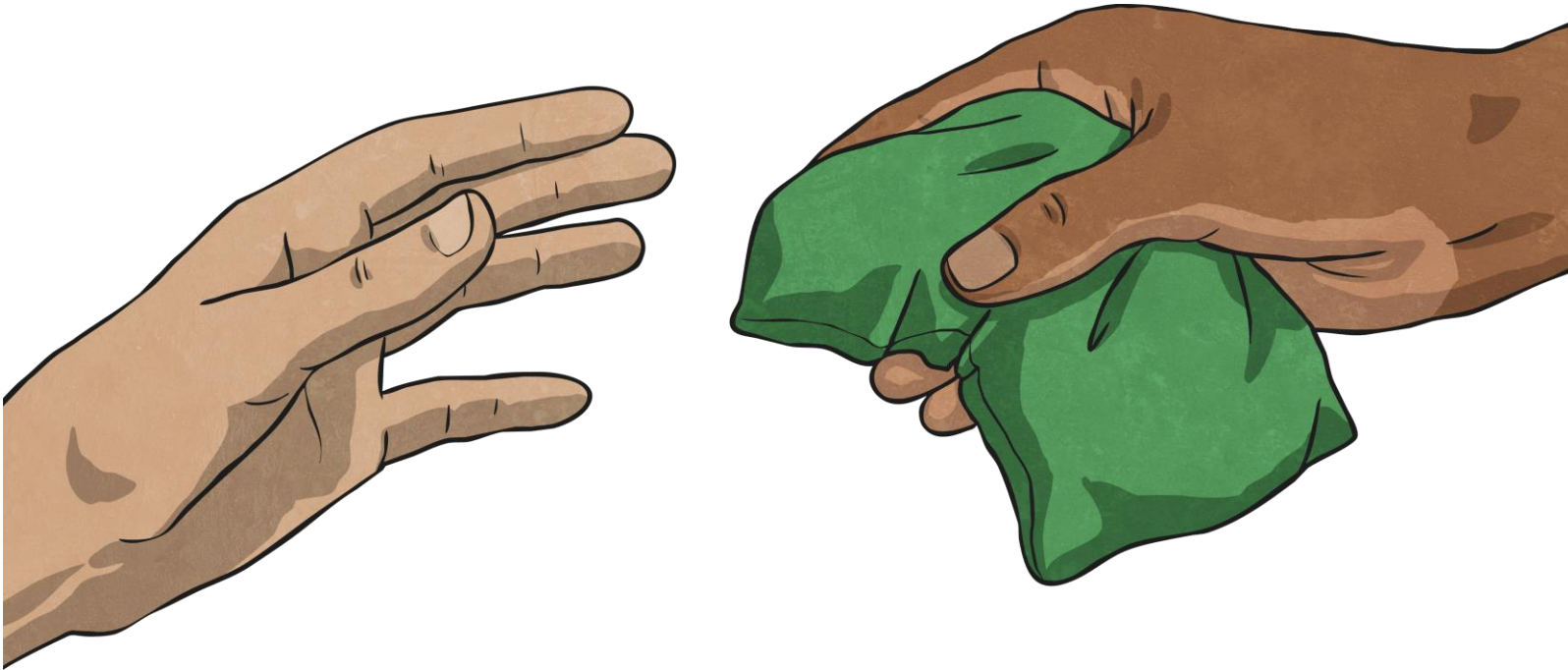
WALT: Add hundreds to
three-digit numbers

Key Vocabulary

- Add
- More
- Groups of
- Plus
- Increase
- Total
- Sum
- Altogether
- Ones
- Tens
- Hundreds



Introduction



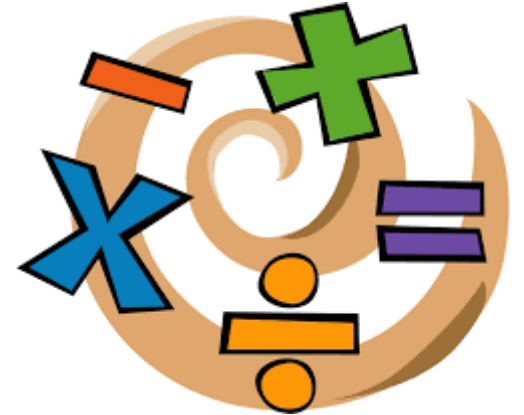
Sit in a circle and start from 105.

Pass the beanbag around the circle, counting on in steps of 100.

If I shout 'swap', change direction.

Introduction

Tens	Ones		Hundreds	Tens	Ones		Hundreds	Tens	Ones
8	4	+	2	0	0	=	2	8	4



- The ones column **NEVER** changes.
- The tens column **NEVER** changes
- The hundreds column **ALWAYS** changes
- Other (larger) columns **MAY** change



Captain Patch has
354 gold coins.

When visiting a deserted island,
he finds 400 gold coins.

How many gold coins
are there altogether?

To work this out, you can use a range of methods.

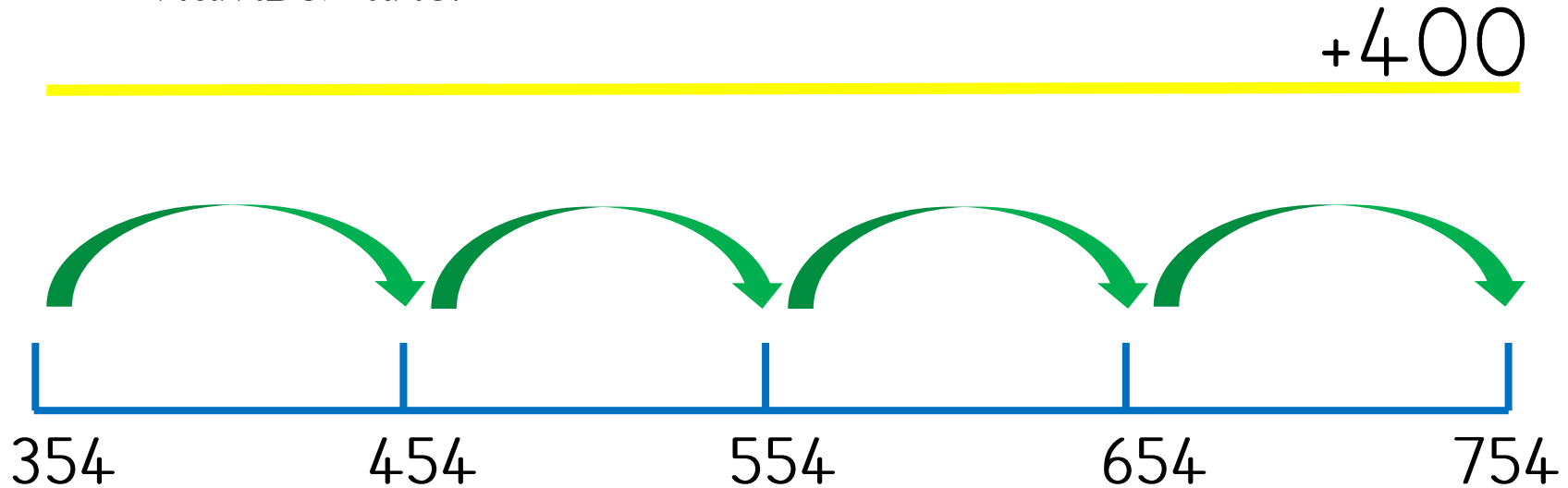
- The first method you can use is using your fingers.
- Place the biggest number in your head.
- Hold 4 fingers up. Each finger is worth 100.
- Carry on counting in 100s from 354 using your fingers to help you.
- The answer is 754 gold coins.
What do you notice about the digits?



Another way to help you work this out is using a blank number line.



Place the biggest number at the beginning of the number line.



Carry on counting, in jumps of 100, for 4 spaces on the number line.



The answer is 754 gold coins.

$$335 + 100 = 435$$

$$335 + 500 = 835$$

$$335 + 600 = 935$$

Fluency

1

1. $37 + 100 =$

2. $94 + 100 =$

3. $103 + 100 =$

4. $485 + 100 =$

5. $358 + 200 =$

6. $642 + 300 =$

2

1. $382 + 100 =$

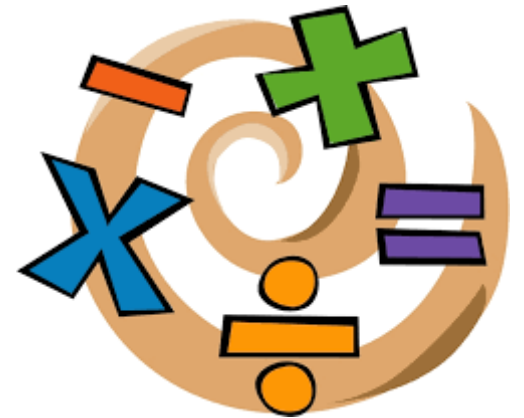
2. $726 + 100 =$

3. $104 + 800 =$

4. $372 + 600 =$

5. $3 + 900 =$

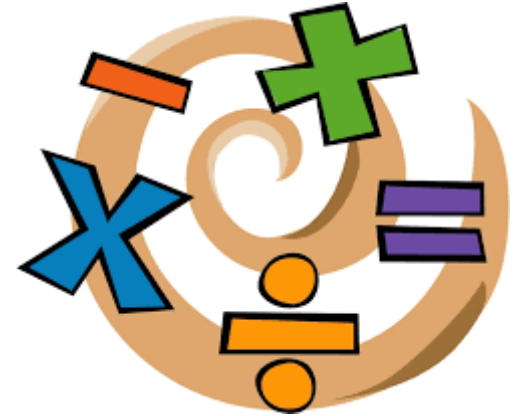
6. $813 + 200 =$



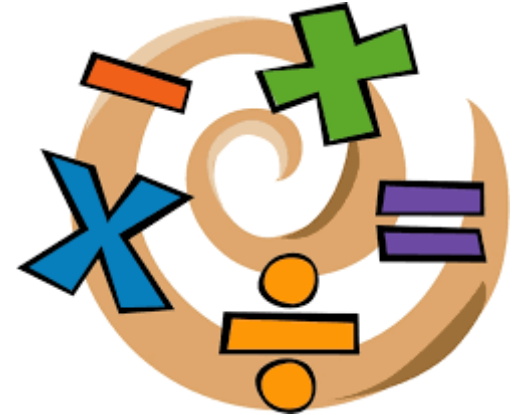
Reasoning

Maria was discussing her maths on the playground with her friends. She said that she felt in her stretch zone when she was working out $843 + 100$ but turned crispy when she had to work out $943 + 100$.

Why do you think she found the second question much more difficult? Explain using your sentence starters.



Problem Solving



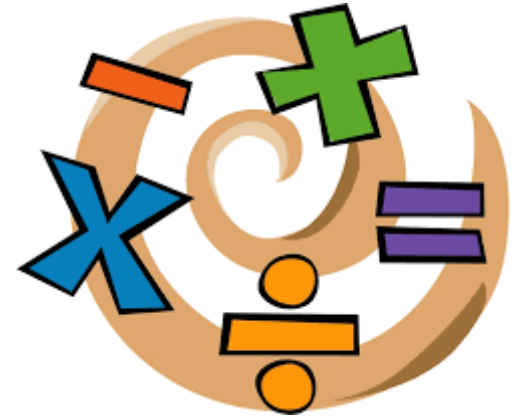
Tom was delighted when he discovered another of Captain Patch's treasure chests!

Inside, there were 178 rubies , 200 emeralds, 100 crystals and 400 gold coins. How many pieces of treasure were there altogether?



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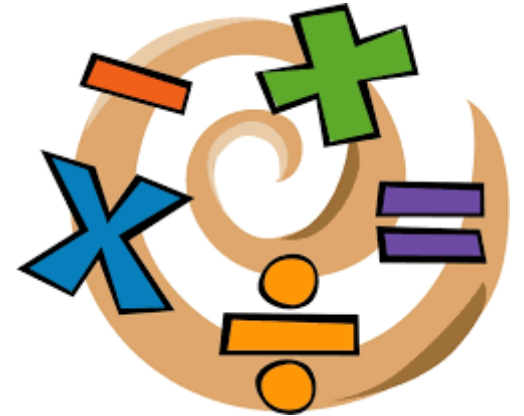
WALT: solve problems
including + and -

Key Vocabulary

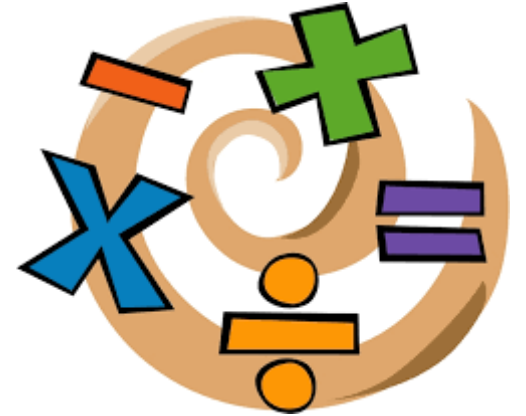
- Subtract
- less
- Groups of
- Minus
- Have left
- decrease
- Less than
- How many more

- Ones
- Tens
- Hundreds
- Thousands
- Place value

- add
- Plus
- Altogether
- total
- increase
- More
- Sum



Introduction



Billy the pirate has washed up on a beach after bumping his head falling overboard. On your whiteboards can you explain to Billy how to use the formal written method for addition?

How about subtraction?

Select yer best pirate to explain these below. Arrhh!

$$\begin{array}{r} 353 \\ - 136 \\ \hline \\ \hline \end{array}$$

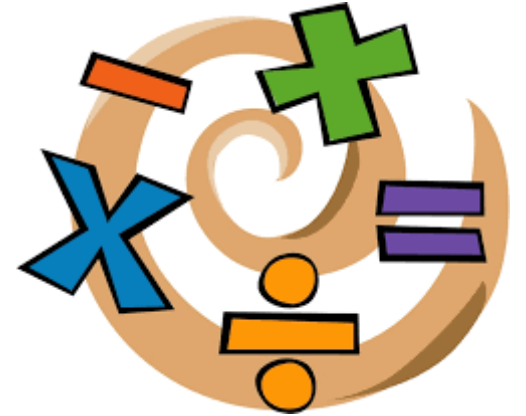
$$\begin{array}{r} 538 \\ + 323 \\ \hline \\ \hline \end{array}$$

There are 167 books in one classroom and 392 books in the other.
How many books are there altogether in both classrooms?

Jay has a collection of 263 football cards. His brother has 189.
How many more football cards does Jay have?

Jenny has £5.67. She spends £2.85 on a present for her brother.
How much money does she have left?

Fluency



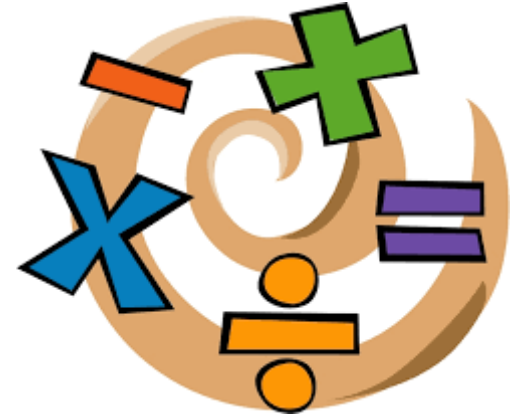
Write subtitle in books and stick in questions from fluency sheet



Salty Sam had one chest with 114 gold coins and another with 126 gold coins. How many coins did he have in total?

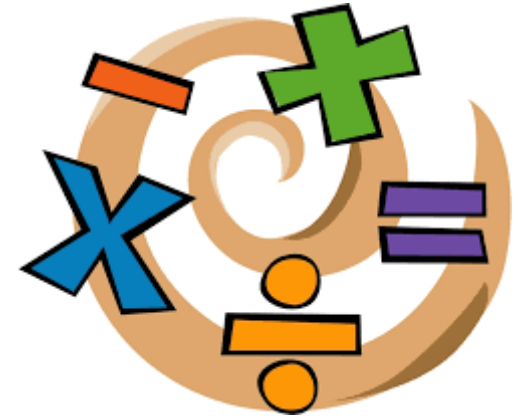
Reasoning

Colin says 'If I add two numbers together I can check my answer by taking them away afterwards. So to check $3 + 4$, I can do $4 - 3$. 'Is he right? Explain Colin's thinking.



Problem Solving

Explain how this diagram links to the word problem



Sarah loved to bury her treasure. In total she buried 379 chests but when she tried to find them she could only find 166! How many chests has Sarah lost?

379	
166	213