Maths Planning and Ideas

Week Commencing: Monday 21. 09. 2020

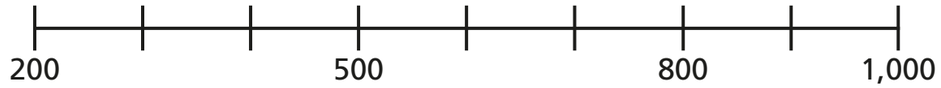
Year Group: Year 3

	Monday	Tuesday	Wednesday	Thursday	Friday
Area of Learning	LC: Can you place numbers on a number line to 100?	LC:Can you find 1, 10 or 100 more or less?	LC: Can you compare objects?	LC: Can you compare numbers?	LC: Can you problem solve?
Activity	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-2/ Find and watch **Numberline to 1000** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-2/ Find and watch **Find 1,10,100 more or less** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-3/ Find and watch **Compare objects** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Go to the following website: https://whiterosemaths.com/homelearning/year-3/week-3/ Find and watch **Compare numbers** video. Pause if you need to take notes or replay sections to help with understanding. **Independent Task:** Children to complete worksheet found in resources.	**Starter:** Times Table Rockstars **Main:** Today the children will apply the skills they have learnt this week to reason and problem solve questions. **Independent Task:** Children to complete worksheet found in resources.

	Answers can be found in resources.	Answers can be found in resources.	Answers can be found in resources.	Answers can be found in resources.	Answers can be found in resources.

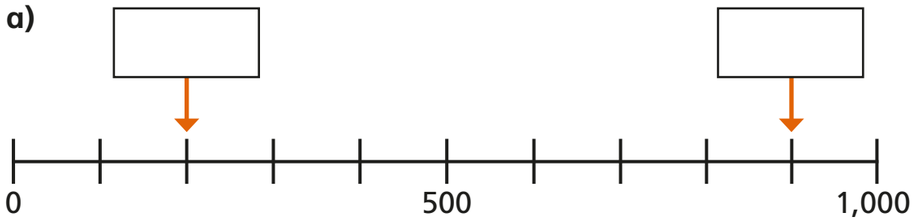
21.09.2020
LC: Can you place numbers on a number line to 1,000?

1 Complete the number line.



2 What numbers are the arrows pointing to?

a)



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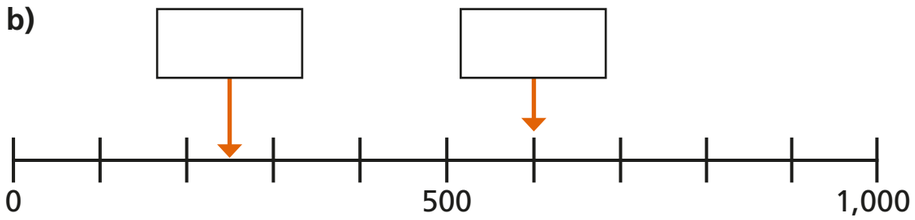

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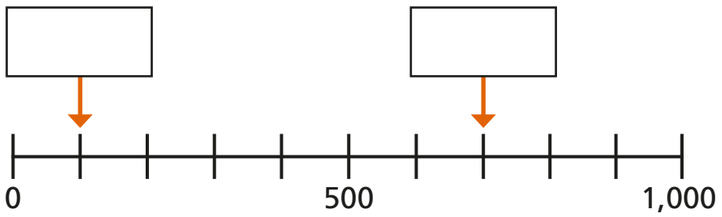
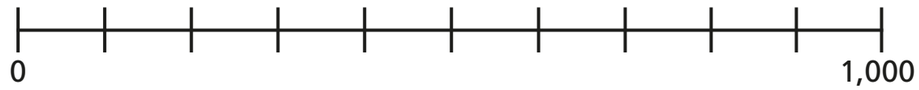
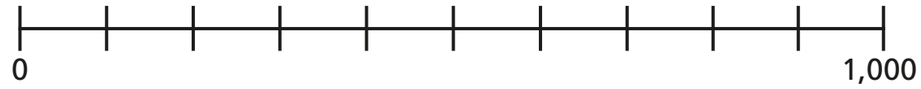


3 Write these numbers on the number line.

400 150 600 990



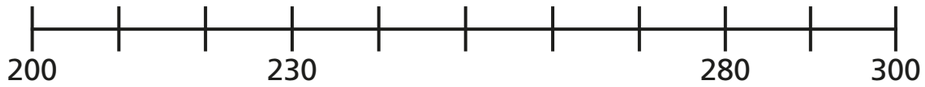
4 Here is a number line from 0 to 1,000



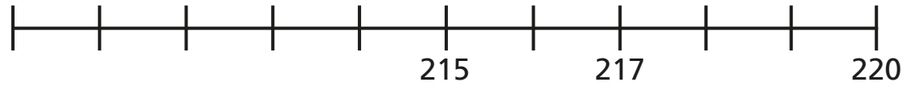
Label 500 and 750 on the number line.

5 Complete the number lines.

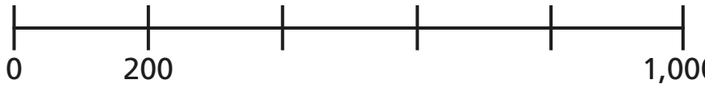
a)



b)



c)



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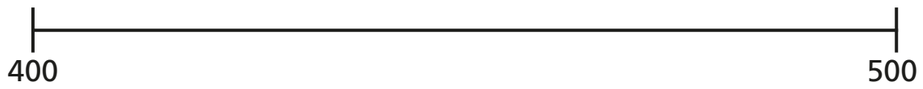
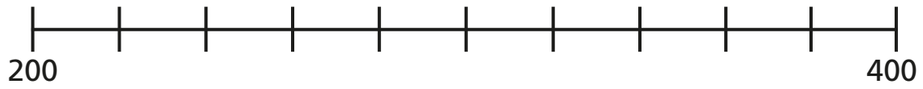
6 **a)** Label 470 on the number line.



b) Label 280 on the number line.



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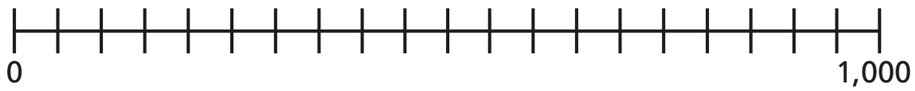
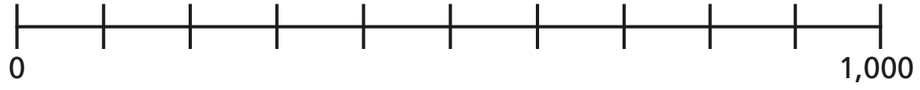


Is Alex correct? How do you know?

8 Draw an arrow to 785 on each number line.

a)



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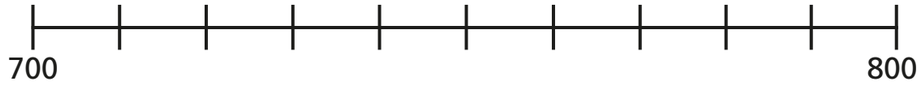

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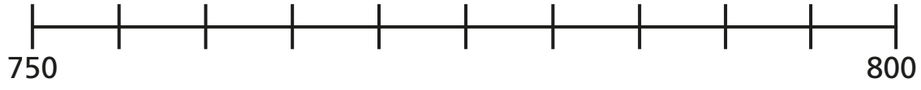
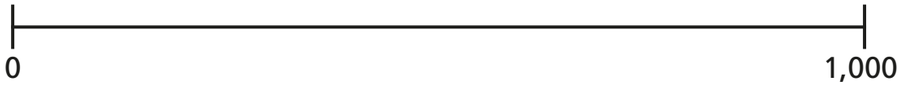


9 Estimate where these numbers go on the number line.

300 750 30 995



How did you do this? Talk about it with a partner.

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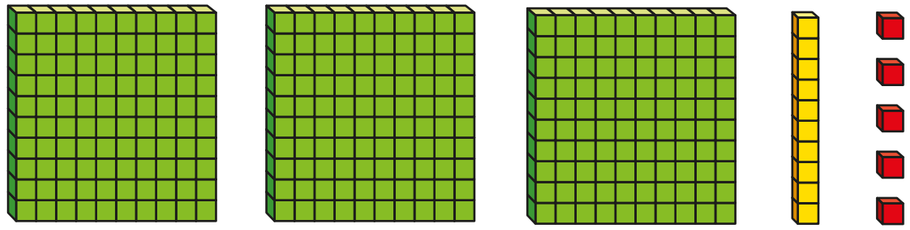
22.09.2020
LC: Can you find 1, 10, 100 more or less?

1 Annie makes a number using base 10



a) What number has Annie made?

Annie has made the number ☐

b) What is 100 more than Annie's number?

100 more than Annie's number is ☐

c) What is 10 more than Annie's number?

10 more than Annie's number is ☐

d) What is 1 more than Annie's number?

1 more than Annie's number is ☐

2 What number is represented?

Hundreds	Tens	Ones
●● ●●	●● ●● ●● ●● ●	●●

The number represented is ☐

a) What is 100 more than the number? ☐

What is 10 more than the number? ☐

What is 1 more than the number? ☐

b) What is 100 less than the number? ☐

What is 10 less than the number? ☐

What is 1 less than the number? ☐

3 What is 100 more than each of these numbers?

a) 700 ☐ **c)** 590 ☐

b) 385 ☐ **d)** 47 ☐

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4 What is 10 more than each of these numbers?

a) 362 ☐

b) 180 ☐

c) 703 ☐

d) 695 ☐

5 What is 10 less than each of these numbers?

a) 789 ☐

b) 245 ☐

c) 300 ☐

d) 404 ☐

6 Complete the sentences.

a) 100 more than 763 is ☐

b) ☐ is 100 more than 765

c) ☐ is 100 less than 503

d) 1 less than 300 is ☐

e) 10 less than 109 is ☐

f) ☐ is 10 less than 972

g) ☐ is 1 less than 699

7 Tom makes a number on a place value chart, but one of the counters slips off the chart.

Hundreds	Tens	Ones
● ● ● ●		● ●

What could Tom's number have been?

_____

8 Complete the table.

100 more	10 more	1 more	number	1 less	10 less	100 less
			473			
398						
					890	

9 Kim thinks of a number.

100 less than Kim's number is 900

What is 10 less than Kim's number? ☐

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23. 09. 2020
LC: Can you compare objects?

1 Dora and Ron each have some building bricks.

a) How many bricks does Dora have?

Dora has ☐ bricks

b) How many bricks does Ron have?

Ron has ☐ bricks.

c) Who has the greater number of bricks?

_____ has the greater number of bricks.

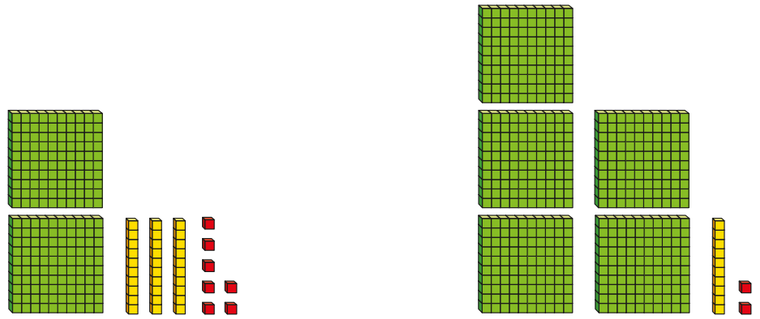
How do you know?

_____

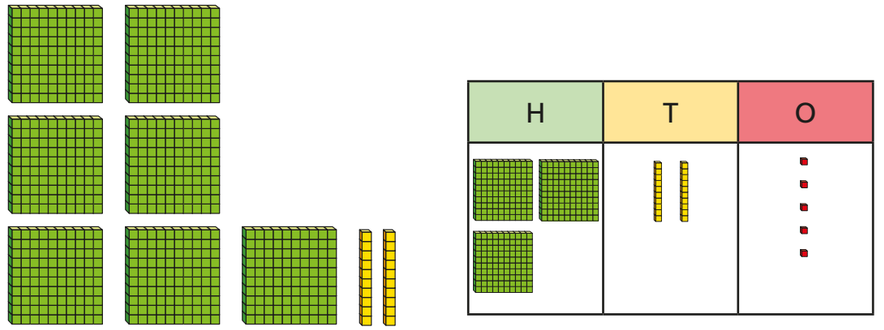
_____

2 Tick the greater number in each pair.

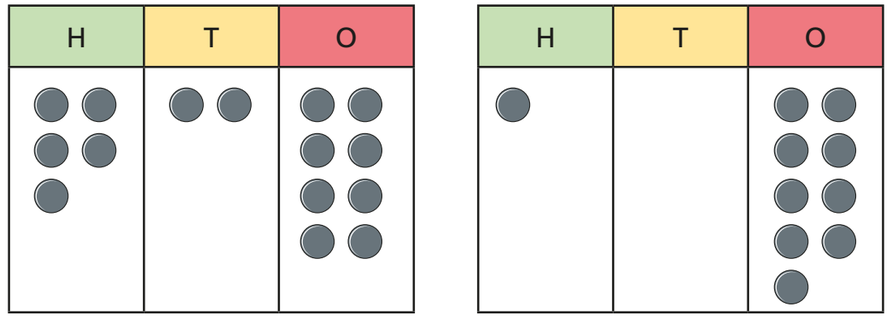
a)



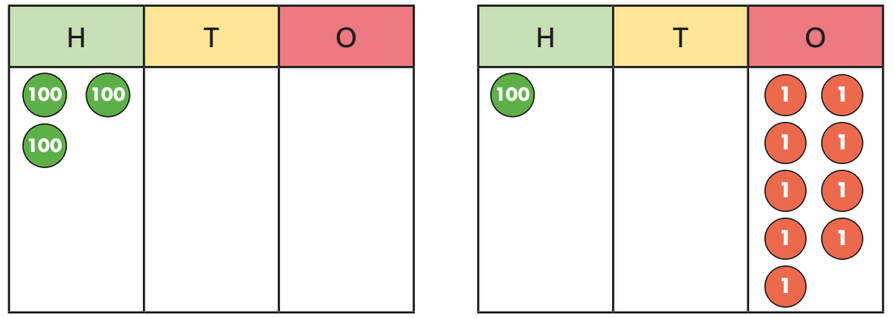
b)



c)



d)



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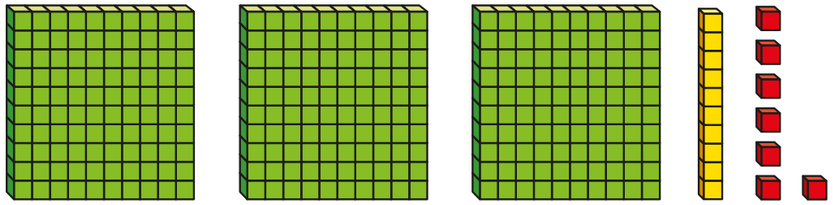
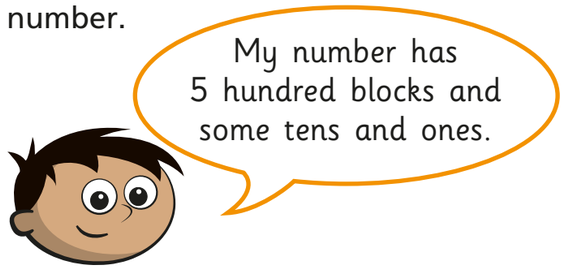
3 Esther makes a number using base 10



Amir also makes a number.



Whose number is greater? Circle your answer.

Esther **Amir** **can't tell**

Explain how you know.

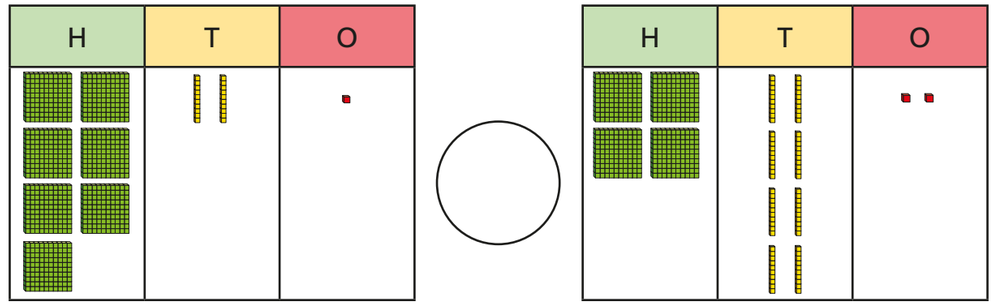
4 Use 8 pieces of base 10 to make a number.

Compare answers with a partner.

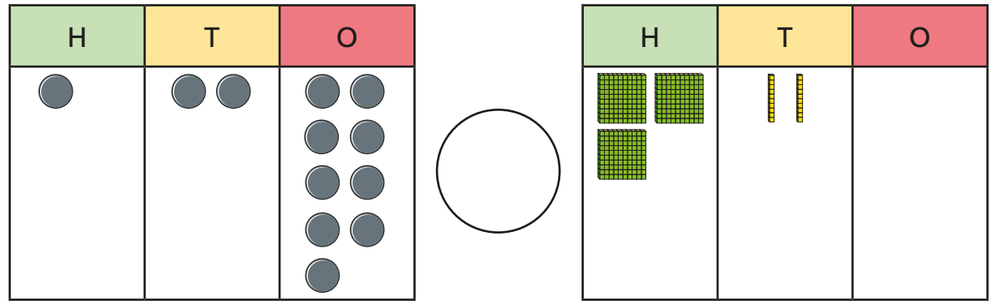
Who has made the greater number?

5 Write >, < or = to compare the numbers.

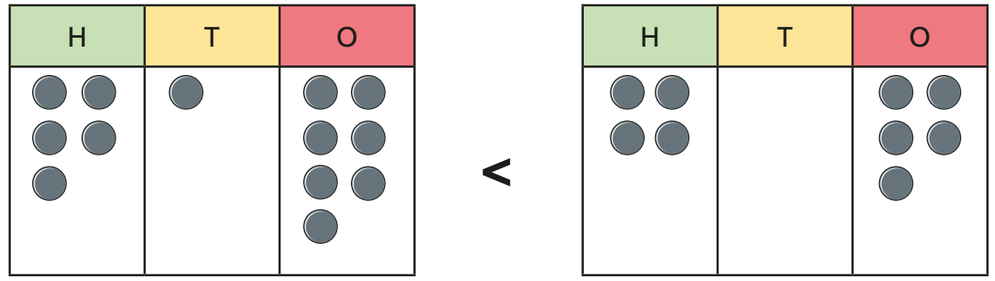
a)



b)



6 Draw 3 more counters to make the statement correct.



7 Annie uses 10 counters to make a number greater than 600 but less than 700

What numbers could Annie have made?

Can you find all the possible answers?

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24. 09. 2020
LC: Can you compare numbers?

1 Which number is smaller? Tick your answer.

100s	10s	1s
3	5	9

100s	10s	1s
7	1	2

2 Which number is greater? Tick your answer.

100s	10s	1s
8	0	5

100s	10s	1s
8	1	7

3 Tick the greater number.

100s	10s	1s
0	3	7

100s	10s	1s
3	7	0

4 Circle all the numbers greater than 350

700 **396** **299** **167** **342** **400**

5 Circle all the numbers less than 718

634 **800** **715** **720** **66** **1,000**

6 Write >, < or = to make the statements correct.

a)

100s	10s	1s
2	9	5

○

100s	10s	1s
3	7	2

b)

100s	10s	1s
4	0	1

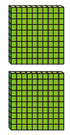
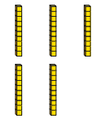
○

100s	10s	1s
4	2	6

c)

100s	10s	1s
2	5	7

○

100s	10s	1s
		

d) Which place value columns did you have to compare in part c)?

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7 Write the missing phrase.

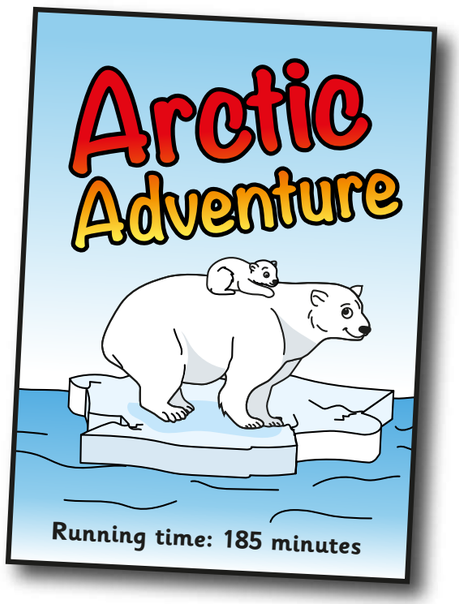
is less than	is greater than

a) 328 _____ 344

b) 916 _____ 490

c) 510 _____ 517

8 There are two films on at the cinema.



Which film lasts the longest?

_____ lasts the longest.

9 Write <, > or = to make the statements correct.

a) 176 ◯ 281

b) 397 ◯ 452

c) 757 ◯ 747

d) 812 ◯ 810

e) 1,000 ◯ 699

f) 820 ◯ 90

g) 392 ◯ 300 + 90 + 2

h) 392 ◯ 300 + 90 + 3

10 What could the missing digits be?

a) 621 is greater than __24

621 is greater than 6__4

621 is greater than 62__

b) 500 < __54

500 < 5__2

500 < 53__

11 Write all the possible missing digits.

a) 778 is less than 7__4

_____

b) 778 is less than 7__9

_____

c) 778 is less than 77__

_____

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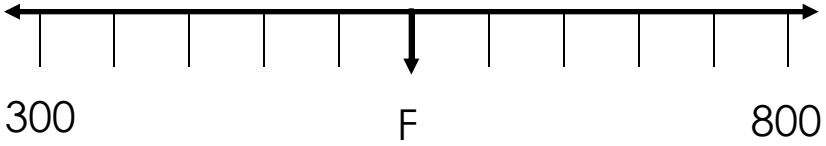
25. 09. 2020

LC:Can you solve word problems?

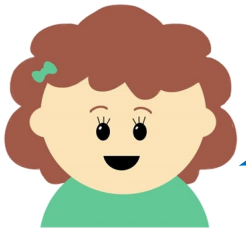
REASONING 1

True or False?

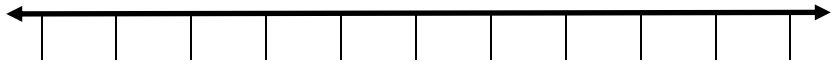
550 is a good estimate for F



PROBLEM SOLVING

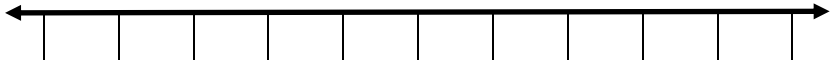


I have drawn a number line and calculated the midpoint.



725 775

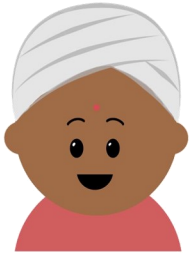
Darcey's friend has also drawn a number line. It has the same number at the midpoint.



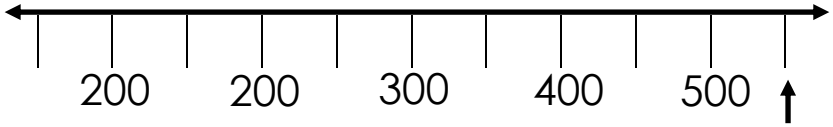
Could Darcey's friend have a different start and end point on her number line?

How many different solutions can you find?

REASONING 2



Ranjit thinks the arrow marks <u>600</u>.
Can you explain what mistake he has made?



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25. 09.2020
LC: Can you solve word problems?

REASONING 1

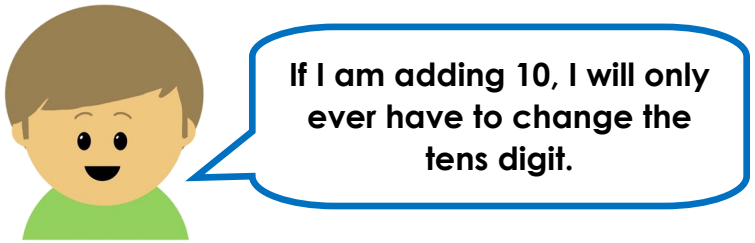
Convince me!

Caleb has £834. He donates £100, £10 and £1 each to a different charity.

Convince me that he will have £723 left.

REASONING 2

Jerry says…



Do you agree or disagree? Explain why!

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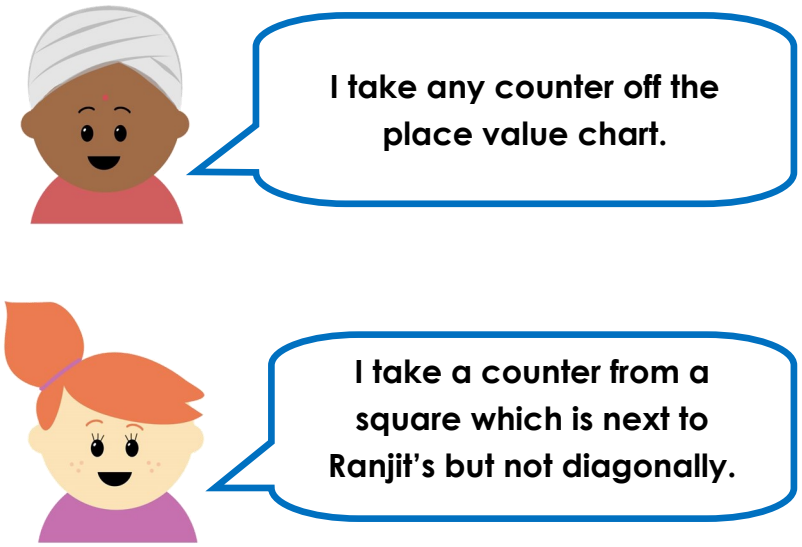
25. 09.2020

LC: Can you solve word problems?

PROBLEM SOLVING 1

Millie and Ranjit both take one counter off the place value chart.



H	T	O
100 100 100	10	1 1 1 1
100 100	10 10 10	1 1 1
100 100 100 100		1

What values could be left on the grid?

How many different possibilities can you find?

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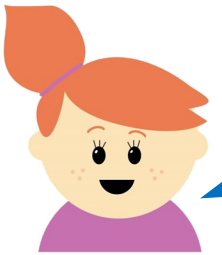
25. 09.2020

LC: Can you solve word problems?

REASONING 1

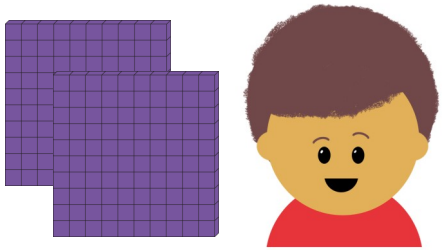


When I compare two amounts I only need to look at how many hundreds there are.

Do you agree with Millie?

Explain your answer.

PROBLEM SOLVING 1



Marlon has 2 hundred base ten pieces.

Caleb has 4 pieces of base ten in his bag.

What different amounts could Caleb make?

Use < > and = to compare them with Marlon's.

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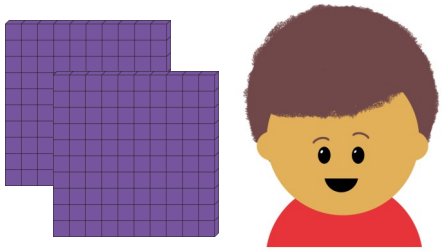
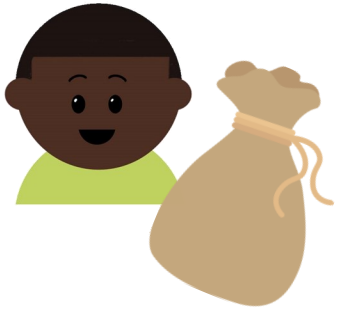
PROBLEM SOLVING 1



Marlon has 2 hundred base ten pieces.

Caleb has 4 pieces of base ten in his bag.



What different amounts could Caleb make?

Use < > and = to compare them with Marlon's.

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25. 09.2020

LC: Can you solve word problems?

REASONING 1

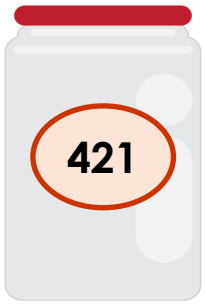
Spot the mistake.

415	=	4 hundreds, one ten and 15 ones.

REASONING 4

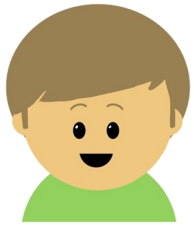
Convince me!

There are more sweets in the jar than the bag.



Draw something to prove it.

PROBLEM SOLVING 1



Jerry has some digit cards.

0	1	2	3	4	5

He makes two 3 digit numbers and compares them like this:

2	0	1	<	3	4	5

Help Jerry by making as many different statements as you can.

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Where can I complete further work?

Twinkl – Subscription service used by schools is offering a free premium service for teachers, parents and children to use whilst schools are closed. Enter the code **UKTWINKLHELPS** for access to worksheets, powerpoints and interactive games to support all areas of learning.

Classroom Secrets – Free Maths, Reading and Grammar home learning packs and interactive resources for all ages.

White Rose Maths – Free Maths home learning resources for all ages. Watch the videos and try the questions.

Primary Stars – Free Maths home learning packs for Year 1 and 2.

BBC Bitesize Primary – Free learning resources available for KS1 and KS2 across all subjects.

I See Maths – Free daily home maths lessons hosted by Gareth Metcalfe. Follow the link for videos, information and resources.

Top Marks – Free educational resources and games for English and Maths.

ICT Games – Free educational resources and games for English and Maths.