

Class 8 Maths

Facts

You need to practise your timetables and other number facts regularly, as we do in school.

You can use Times Table Rock Star like we do in school. The link is

- <https://play.ttrockstars.com/auth>

You can also use Numbots which uses the same login as Times Table Rock Star

- <https://play.numbots.com/#/account/search-school>

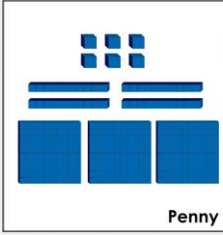
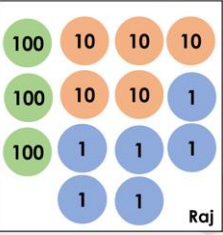
Arithmetic

This week you will need to complete some reasoning questions around place value. WE have currently only been practising fluency and varied fluency however now, we are moving onto reasoning. Remember with reasoning you need to explain/reason your answers. We have done these types of questions in school so you know how to give your answers. Below I will put some examples so you know how to set out your answers.

Question.

Reasoning 1

Penny and Raj say they have represented the same number using Base 10 and place value counters.

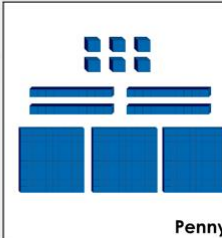
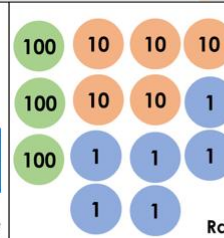
 Penny	 Raj
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Do you agree? Explain why.

Answer- (In Red)

Reasoning 1

Penny and Raj say they have represented the same number using Base 10 and place value counters.

 Penny	 Raj
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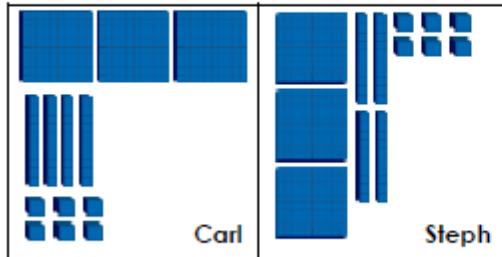
Do you agree? Explain why.

No, because they both have 3 hundreds and 6 ones but Raj has 5 tens and Penny has 4 tens so Penny = 346 and Raj = 356.

Here is a question and answer. This is what your answers should look like for the following questions.

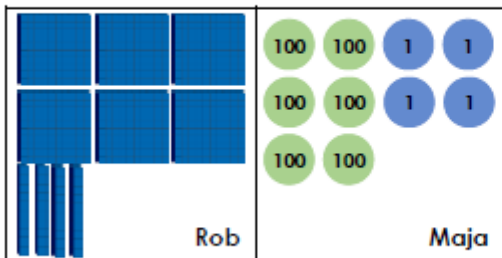
Monday-

Carl and Steph say they have represented the same number using Base 10.



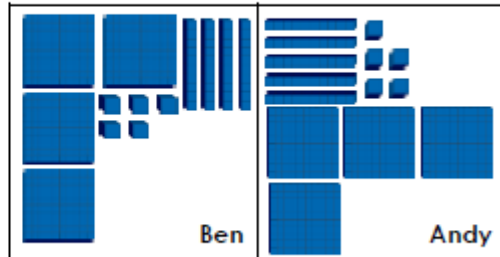
Do you agree? Explain why.

Rob and Maja say they have represented the same number using Base 10 and place value counters.



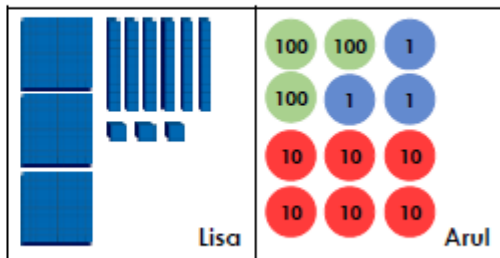
Do you agree? Explain why.

Ben and Andy say they have represented the same number using Base 10.



Do you agree? Explain why.

Lisa and Arul say they have represented the same number using Base 10 and place value counters.



Do you agree? Explain why.

Tuesday-

Which number is the greatest?

449

494

Prove it.

Which number is the greatest?

623

523

Prove it.

14. Which number is the greatest?

$$300 + 70 + 4$$

three hundred
and
forty-seven

Prove it.



15. Which number is the greatest?

seven hundred
and thirty-two

$$700 + 20 + 3$$

Prove it.



Wednesday-

16. Luke and Gavin are placing numbers in ascending order.



Gavin

630

670

710



Luke

280

410

380

Who is correct? Prove it.

17. Leila and Evie are placing numbers in ascending order.



Leila

930

960

950



Evie

530

550

580

Who is correct? Prove it.

1. Nuha and Pete are placing numbers in descending order.



Nuha

300	200	100	350	250	150
-----	-----	-----	-----	-----	-----



Pete

650	600	550	500	450	400
-----	-----	-----	-----	-----	-----

Who is correct? Prove it.

2. Hunter and Willow are placing numbers in ascending order.



Hunter

150	250	200	350	400	450
-----	-----	-----	-----	-----	-----



Willow

150	300	450	600	750	900
-----	-----	-----	-----	-----	-----

Who is correct? Prove it.

Thursday-

3. Joe wants to subtract 1 from this number.

H	T	O
1	3	6

He says,



I will have 2 counters left in the tens column. The answer is 126.

Do you agree? Explain why.

4. Yussuf wants to subtract 10, then add 100 to this number.

H	T	O
3	1	6

He says,



I can take a counter from the tens column and add it to the hundreds column. The answer is 46.

Do you agree? Explain why.

5. Lacey wants to add 1 to this number.

H	T	O
8	2	1

She says,



I will have 8 counters in the hundreds column. The answer is 821.

Do you agree? Explain why.

6. Hattie wants to add 1, then subtract 100 from this number.

H	T	O
5	2	10

She says,



I will have 10 counters in the ones column and 5 counters in the hundreds column. The answer is 5,210.

Do you agree? Explain why.

Friday-

Comparing Numbers

1. Choose three cards to complete the statement.

740

6 hundred, 3 tens and 5 ones

700 and 4 tens

635

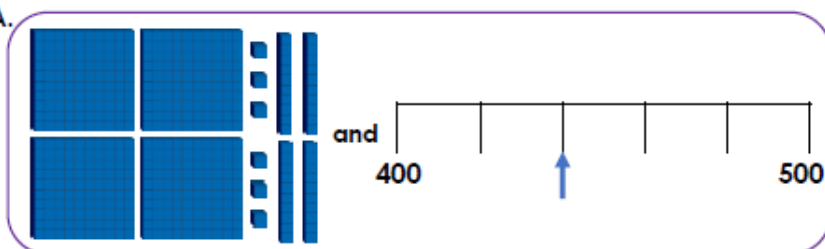
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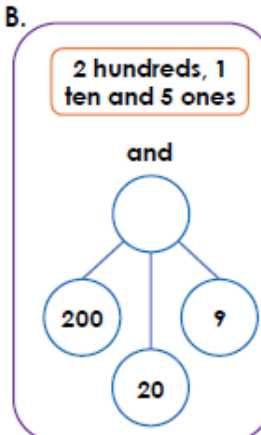
VF
HW/Ext

2. Choose which number in each set has the lowest value. Write your answer in digits.

A.



B.



C.

H	T	O
9	3	4

and



VF
HW/Ext

3. Jenny and Zarich are trying to make a number greater than the target number. They say,



Jenny

My number is 835.

5 hundreds, 8 tens and 3 ones



Zarich

My number has 5 hundreds, 3 tens and 8 ones.

Whose number is greater than the target number? Explain your answer.

