18.05.2020

Year 4 Maths

1000 more or less

This week: Place value of 4 digit numbers and 1000 more or

less than a number

Session 1: Counting in 1000s

It is important to remember that

10 ones = 1 ten





10 tens = 1 hundred

10 hundreds = 1 thousand



10 thousands can be written as 10,000

1) How many sweets are there?



Write your answer in numerals and words.

2) Class 4B are collecting pennies in jars. Each jar contains 1,000 pennies.





How many pennies are there in total? Write your answer in numerals and words.

3) What numbers are represented?





4) Complete the number tracks.



Eva starts from zero and counts up in 1,000s.
 Circle all the numbers that she says.

\bigcirc	
Drag and copy me	

\smile				
	2 000	1 500	6 000	5 000
	3,333	1,500	0,000	5,000
	700	45 000	40.000	4 000
	/00	15,000	10,000	1,000





Session 2: 1000s, 100s, 10s and 1s

This session is a reminder about the different ways to represent numbers and the value of different columns.

1) How many nails are there?





b)

Th	Н	Т	0

3) Mo is trying to make the number 3,250

He represents it on a place value chart.



Is Mo correct?

How do you know?





5) True or False?



6)



The thousands and tens digits multiply together to make 15.

The hundreds and tens digits have a digit total of 7.

The ones digit is double the thousands.

The whole number has a digit total of 16.

7) How many four-digit numbers can you create using the following rules?

- The ones digit is 5.
- The tens digit is two more than the hundreds digit.
- The four digits have a total of 15.

Session 3: Find a 1000 more or less than a number

Remember:

- When adding to the thousands place value column the hundreds, tens and ones columns will not change.
- If you have 10 or more thousands you will need to exchange 10 of them for 1 in the next column.





-1000	Number	+1000
	6,000	
	6,095	
	7,700	
	8,370	
	9,630	
	10,210	

4) Use the place value chart to help you complete the sentences.



a) 1000 more than 4132 is _____

c)10 less than 4192 Is _____

1000 less than 4192 is _____

b) 100 more than 4192 is _____

100 less than 4192 is _____

10 more than 4192 is

d) 1 more than 4192 is _____

1 less than 4192 is _____

5)

- a) Mo thinks of a number.
 1,000 less than Mo's number is 5,751
 What is 10 less than Mo's number?
- b) 1 less than Ron's number is 100 more than Mo's number. What is Ron's number?

A) B)







Year 4 Maths Maths Challenge!

I am thinking about trying to solve this by making a boat out of lego and then choosing some object or cuddly toys as my passengers. What will you try?



Session 1 – Answers

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- 1) Five Thousand 5000
- 2) Seven Thousand 7000
- 3) a Three Thousand 3000 b- Eight Thousand 8000
- 4) a 4000, 5000, 7000, 8000 b 8000, 6000, 4000
- 5) 5000, 6000, 1000, 10000, 15000
- 6) Rosie is correct. 1000 is divisible by 2 without leaving a remainder so any 1000 is an even number.
- 7) Tia Never True. Esin Always. Malachi Sometimes

Session 2 – Answers

- 1) 3526
- 2) a 1552 b 5016
- 3) No. Mo has put 5 ones instead of 5 tens. His number is 3205
- 4) a 2 thousands, 5 tens and 3 ones

b – 5 thousands, 1 hundred, 2 tens and 4 ones.

- 5) False. The new number would be 5743. If you wanted to represent the number 5543 you would need to subtract a hundreds counter
- 6) 3256
- 7) 6135, 4245, 2355

Session 3 – Answers

1) 6337 – 8337		5365	- 7365		1931 - 3931
2508 - 4508		4184	- 6184		6372 - 8372
2) + 3493	7347		6734	4951	
- 1493	5347		567	3222	
3) 5000 – 7000		5095	- 7095		6700 - 8700
7370 – 9370		8630	- 10630		9210 - 11210
4) a - 5132, 3192					
b - 4292 , 4092					
c - 4182, 4202					
d - 4193, 4191					
5) a – 6741					
b - 6852					
6) True. 23450 + 1000 = 24450. 25450 - 1000 = 24450					
7) Output – 6346	Functi	on -1	000 Input	- 145	7