

RECALL

6 3 9 4 2

Use these numerals to make as many 5 digit numbers as you can.

Choose ONE of the following sentences to write for **each number** created:

My number has _____ hundreds.

My number has _____ thousands.

My number has _____ ten thousands.

L.O. TO READ, WRITE, ORDER AND COMPARE
NUMBERS UP TO 10 MILLION AND DETERMINE
THE VALUE OF EACH NUMBER

- **SOME WILL EVEN:** Identify a specific number which matches given statements.
- **SOME WILL:** Identify 100/100/1000/10,000 more or less than.
- **MOST WILL:** Write specific numbers in numerals and words.
- **ALL WILL:** Identify the place value of each digit in a number.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	.	tenths	hundredths	thousandths	ten thousandths	hundred thousandths
HTH	TTh	Th	H	T	O	.	t	h	th	tth	hth

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100,000	10,000	1,000	100	10	1	.	$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1,000}$	$\frac{1}{10,000}$	$\frac{1}{100,000}$
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Whole Number Part

Decimal Point

Fractional Part

GUIDED PRACTICE - MY TURN

1) What number could Richard have made using the digit cards shown?

2) Can you find a different number?



help

Use a place value chart to help you write the number



What number has Lexi made?

GUIDED PRACTICE - YOUR TURN

1) What numbers could Richard have made now using the digit cards shown?

2) How many different answers can you find?

help



Use a place value chart to help you write the number

What number has Lexi made?

Discover

I have made a 6 digit number using the cards. It has 8 hundreds. My number has 4 ten thousands. It is less than 900,000 and is even.

10,000 more than the number I have made is

256,789

Richard

Lexi

2 4 6 7 8 9

An illustration of two children, Richard and Lexi, sitting at a wooden table. Richard is on the left, wearing a green shirt, and Lexi is on the right, wearing a pink shirt and a pink headband. On the table in front of them are six digit cards: 2, 4, 6, 7, 8, and 9. Above them are two speech bubbles. Richard's bubble contains a clue about a 6-digit number. Lexi's bubble contains a clue and the number 256,789.



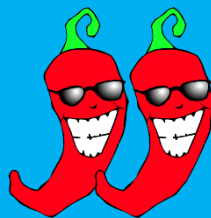
Write each of the numbers in numerals using PV chart first.

One hundred and twenty-three thousand

Four hundred and seventy-five thousand

Six hundred and five thousand

What's the same and what's different?



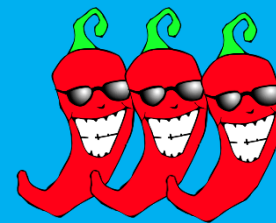
Write each of the numbers in numerals

One hundred thousand, two hundred and twenty-seven

Four hundred thousand, three hundred and thirty

Six hundred thousand and six

What's the same and what's different?



Use the digit cards and statements to work out my number.

0, 3, 3, 5, 5, 6, 7

- The **ten thousands** and **hundreds** have the same digit.
- The **hundred thousand** digit is double the **tens** digit.
- It is a **six-digit** number.
- It is less than **six hundred and fifty five thousand**.

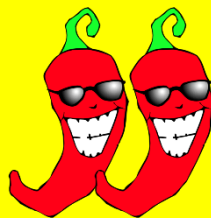
Is this the only option?



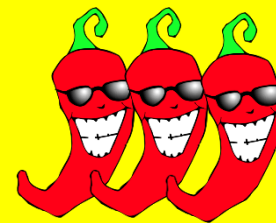
Greater Depth
challenge cards 😊



123,000
475,000
605,000



100,227
400,330
600,006



653,537
650,537
650,533...

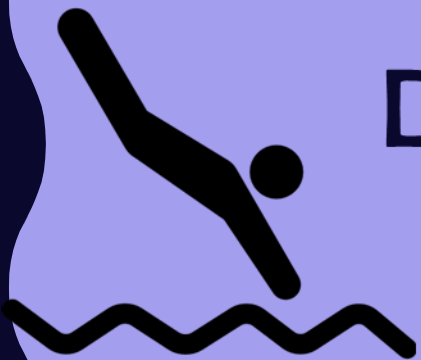


Answers sheet

0, 3, 3, 5, 5, 6, 7

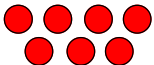
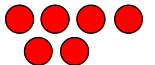
- The **ten thousands** and **hundreds** have the same digit.
- The **hundred thousand** digit is double the **tens** digit.
- It is a **six-digit** number.
- It is less than **six hundred and fifty five thousand**.

Is this the only option?



DIVE DEEPER 1

1. Write the number shown on the place value grid

HTh	TTh	Th	H	T	O
					

2. What is the value of each underlined digit?

a) 731,142

b) 24,904

c) 7,373

d) 518,420

e) 112,304

3. Using all six digit cards each time, write a number:

a) That is even

b) That is odd

c) That is a multiple of 5

d) That is greater than 500,000 but less than 700,000



7

8

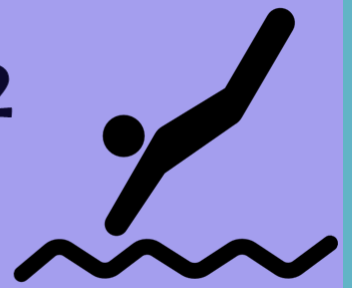
5

3

4

9

DIVE DEEPER 2

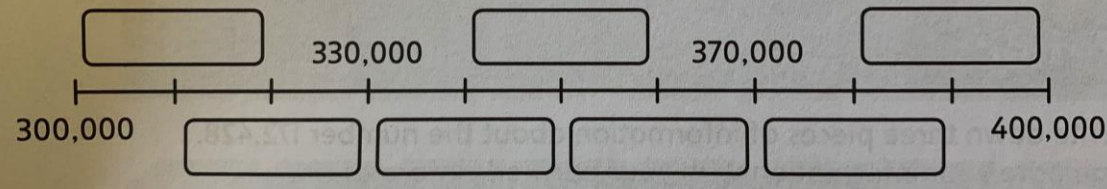


4. Write the missing numbers. Start from the original number each time.

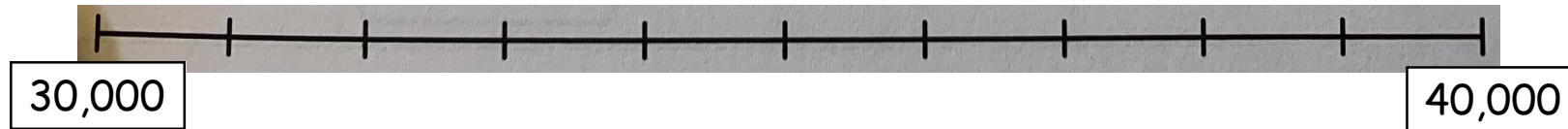
Number	1,000 more	100 more	10 more	10 less
73,400				

Number	100,000 more	10,000 more	1,000 more	1,000 less
650,167				

5 a) Write in the missing numbers.



On the number line estimate 39,411



6. Max is thinking of a number. His number:

- Is a 6-digit, odd number
- Has the same number of 1,000s as 1s
- Is greater than half a million
- Has a digit sum of 26

Write two numbers that could be Max's number.

_____ and _____

1) 374,336

2) $\alpha = 40$ $b = 4000$ $c = 3$ $d = 500,000$ $e = 4$

3) CLASS

4) 74,400	73,500	73,410	73,390
750,167	660,167	651,167	649,167

5) 310,00	320,000	340,000	350,000
360,000	380,000	390,000	

CLASS

6) CLASS





Nice or Nasty - Instructions



Take turns to throw the dice and decide which of your four cells to fill.
Do this four times each until all your cells are full.
Whoever has the largest four digit number wins.

NICE

There are two possible scoring systems:

- A point for a win. The first person to reach 10 wins the game
- Work out the difference between the two four-digit numbers after each round.

The winner keeps this score. First to 10000 wins.

Set a target to aim for. Then throw the dice four times each and work out how far each of you is from the target number. Whoever is closest wins.

There are two possible scoring systems:

- A point for a win. The first person to reach 10 wins the game
- Work out the difference between the two four-digit numbers and the target number after each round. Keep a running total. First to 10000 loses.

Possible targets: 5000, 3500, 2222, ...

NASTY