

ADD



Lesson 2-4



ADD



Add

Greater Numbers



**BROADUS
LEARNINGS**

ADD



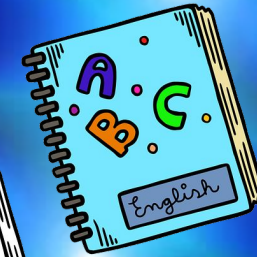
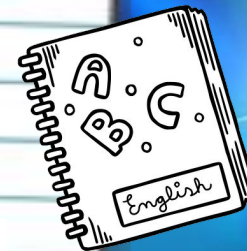
STANDARD:

NC.4.NBT.4

Add and subtract multi-digit whole numbers up to and including 100,000 using the standard algorithm with place value understanding.

OBJECTIVE:

Today, we will add numbers to one million, with and without regrouping, using the standard algorithm.



ADD

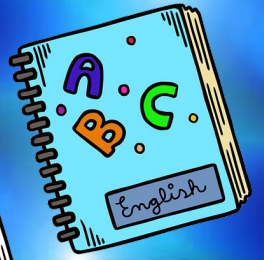
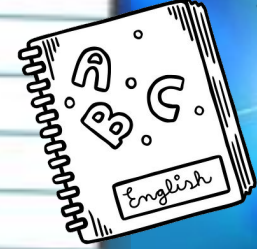
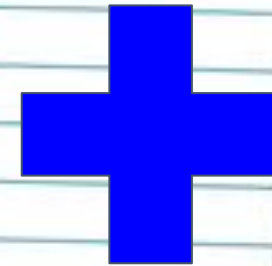


I CAN STATEMENT:

I can use standard algorithm and place value to add multi-digit numbers.

ESSENTIAL QUESTION:

How do you add greater numbers?





Take notes in your blue notebook when you see the notebook icon.

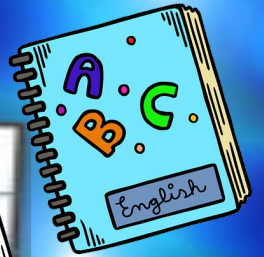
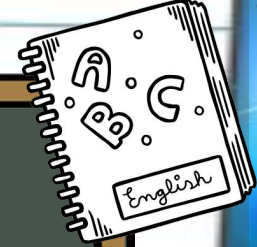
ADD



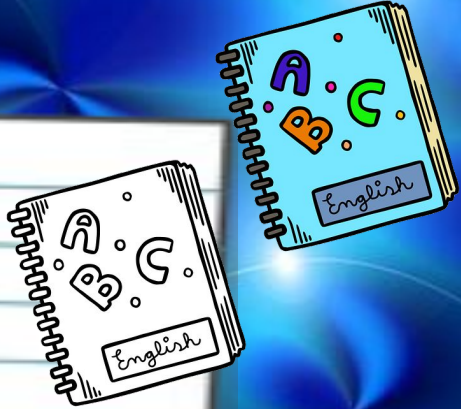
STANDARD ALGORITHM STEPS: ADDITION

- Line up the digits by places and label them.
- Add the ones place.
- Add the tens place.
- Add the hundreds place.
- Add the thousands place.
- Keep going until you have added all places of the addends in the problem.

Remember to regroup if the sum of digits in a place value is greater than 9.



BROADUS
LEARNINGS



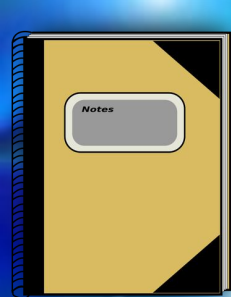
Use the standard
algorithm to add.
 $5,912 + 712$

ADD



BROADUS
LEARNINGS





ADD



Th H T O

5,912

+ 712

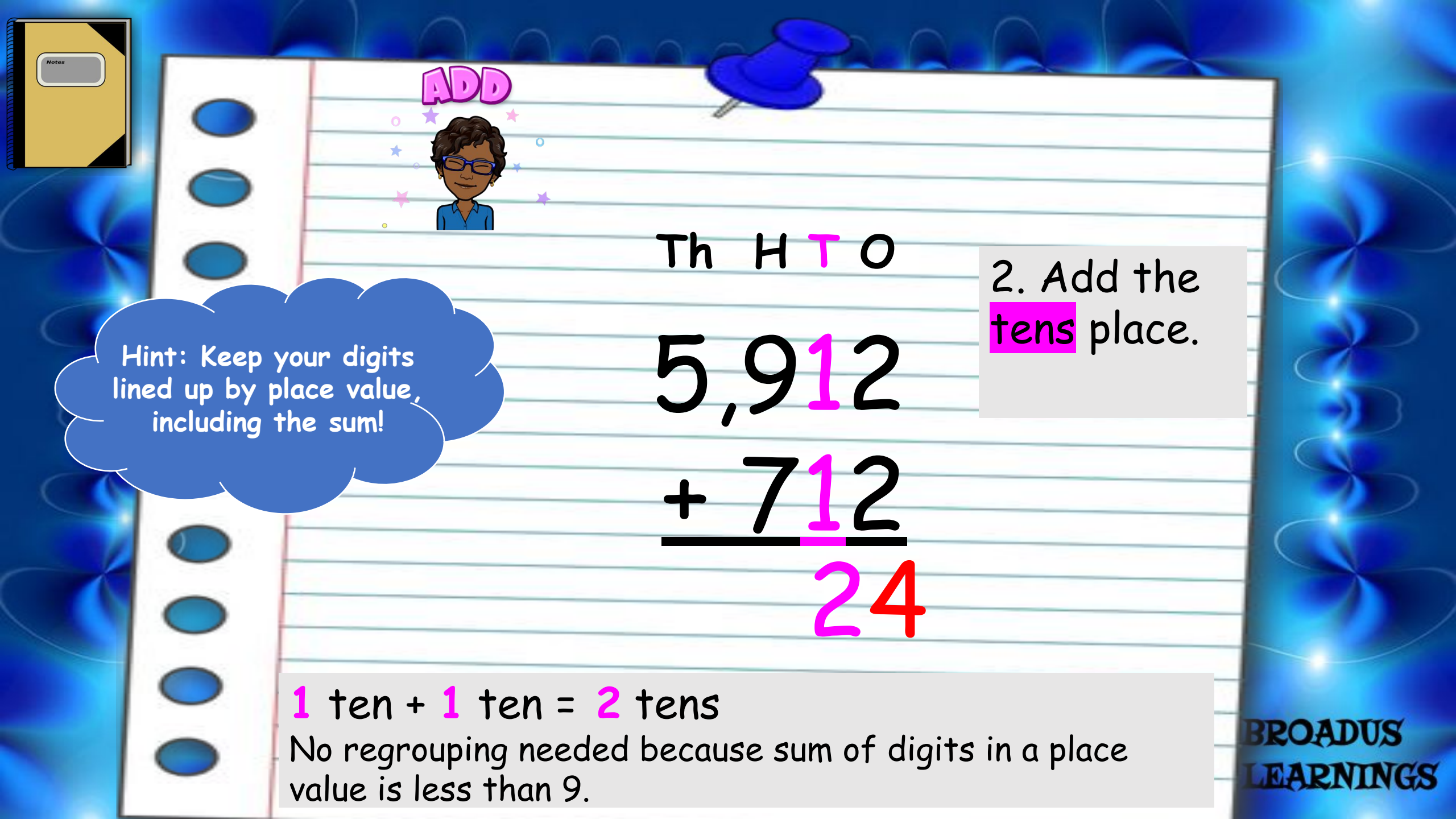
4

Hint: Line up the numbers based on place value and put the number with the greatest number of DIGITS on top.

1. Start by adding the **ones** place.

2 ones + 2 ones = 4 ones

No regrouping needed because sum of digits in a place value is less than 9.



ADD



Th H T O

5,912

+ 712

24

2. Add the
tens place.

Hint: Keep your digits
lined up by place value,
including the sum!

1 ten + 1 ten = 2 tens

No regrouping needed because sum of digits in a place
value is less than 9.

ADD



Hint: Keep your digits lined up by place value, including the sum!

Th	H	T	O
↓ 1			
5	9	1	2
+	7	1	3
	6	2	4

3. Add the **hundreds** place.

9 hundreds + 7 hundreds = 16 hundreds
Regroup: 16 hundreds = 1 thousand + 6 hundreds

ADD



Hint: Keep your digits lined up by place value, including the sum!

Th H T O
↓ 1

5,912

+ 712

6,624

4. Add the thousands place.

1 thousand + 5 thousands = 6 thousands

No regrouping needed because sum of digits in a place value is less than 9.



Use the standard
algorithm to add.
 $632 + 4,124 + 501$

ADD





ADD



Th H T O ← Label your places

1. Start by adding the **ones** place.

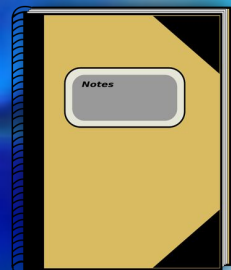

$$\begin{array}{r} 4,124 \\ 501 \\ + 632 \\ \hline 7 \end{array}$$

Notice we placed the 4,124 on the top to line up the rest of the numbers a little more easily. You DON'T have to do this, but you may find this helpful!

4 ones + 1 one + 2 ones = 7 ones

No regrouping needed because sum of digits in a place value is less than 9.

ROADUS
EARNINGS



Th H T O

← Label your places

2. Add the
tens place.

4,1**2**4

5**0**1

+ 6**3**2

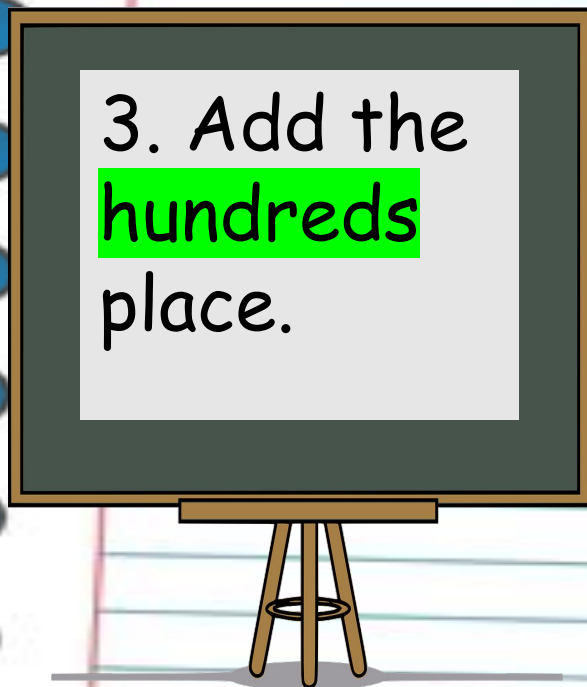
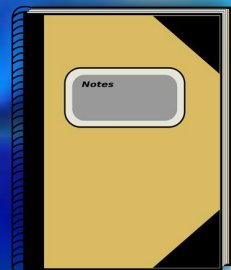
57

ADD



2 tens + **0** tens + **3** tens = **5** tens

No regrouping needed because sum of digits in a place value is less than 9.



Th H T O

Label your places

↓
1
4,124

501

+ 632

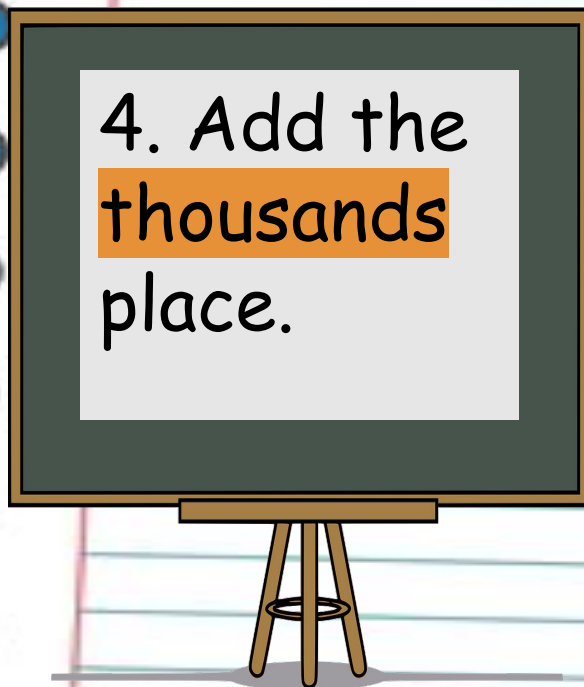
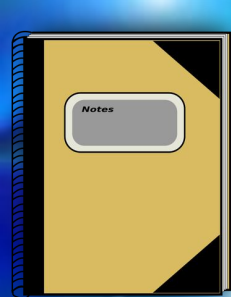
257

ADD



1 hundred + 5 hundreds + 6 hundreds = 12 hundreds
Regroup: 12 hundreds = 1 thousands + 2 hundreds

ROADUS
EARNINGS



Th H T O ← Label your places

4,124

501

+ 632

5,257

ADD



1 thousand + 4 thousands = 5 thousands
No regrouping needed because sum of digits in a place value is less than 9.

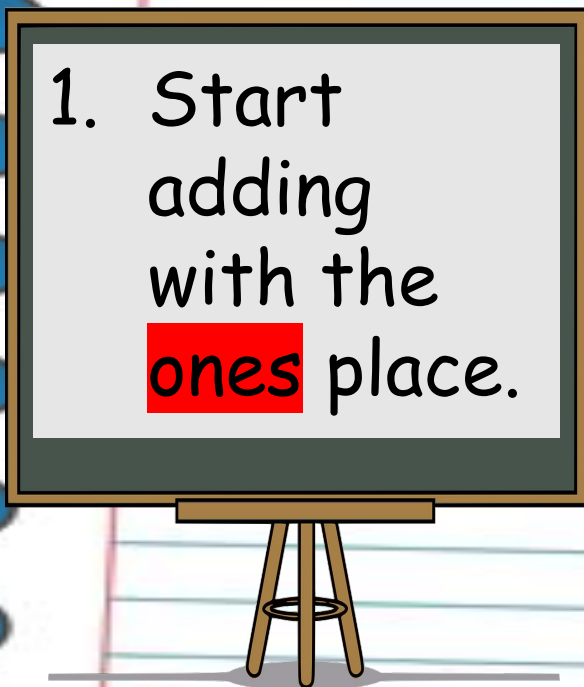
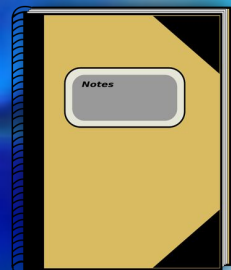
ROADUS
EARNINGS



Use the standard
algorithm to add.
 $3,588 + 49,762$

ADD





Label your places

Tth Th H T O

49,762

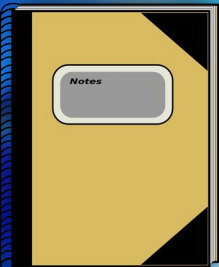
+ 3,588

0

ADD



2 ones + 8 ones = 10 ones
Regroup: 10 ones = 1 ten + 0 ones

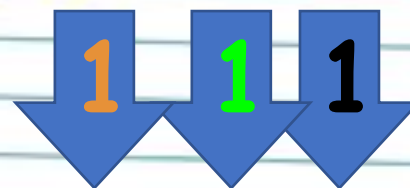
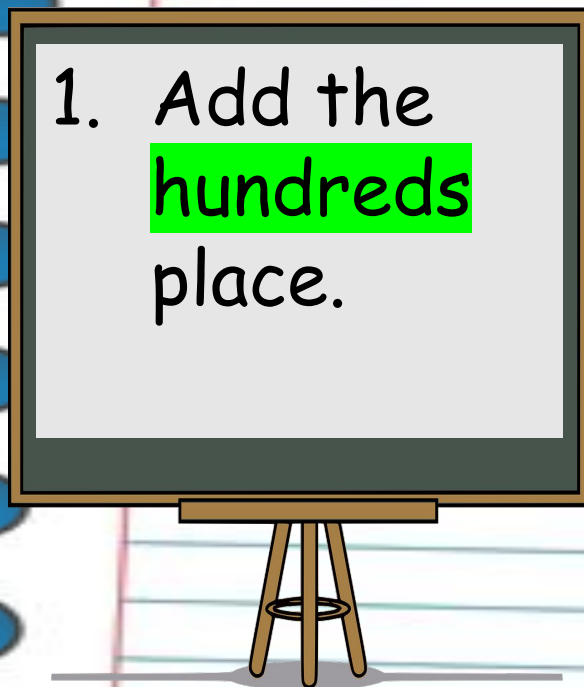
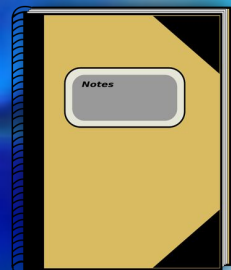


1. Add the
tens place.



Tth	Th	H	T	O
4	9	7	6	2
+	3	5	8	8
			50	

1 ten + **6** tens + **8** tens = **15** tens
Regroup: **15** tens = **1** hundred + **5** tens



ADD



Tth Th H T O

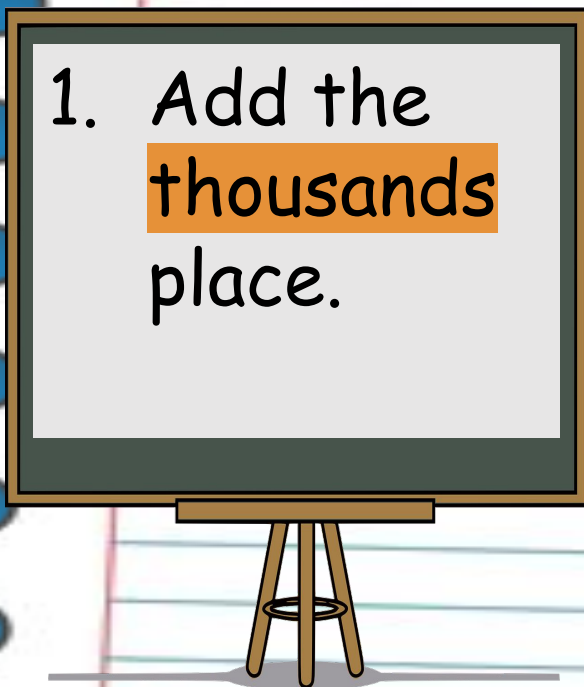
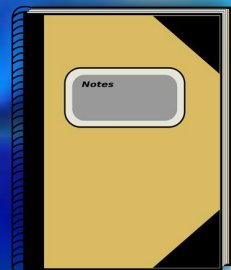
49,762

+ 3,588

350

1 hundred + 7 hundreds + 5 hundreds = 13 hundreds
Regroup: 13 hundreds = 1 thousand + 3 hundreds

ADUS
ARNINGS



Tth Th H T O

49,762

+ 3,588

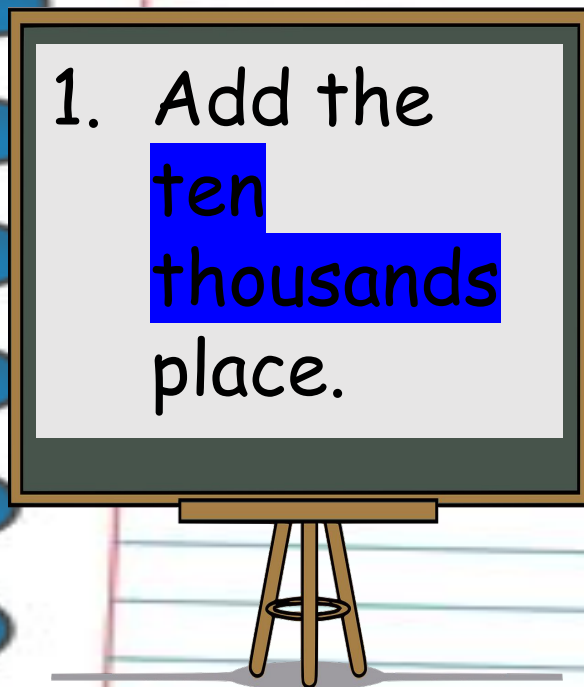
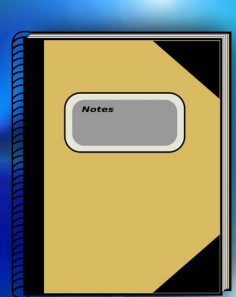
3,350

ADD



1 thousand + 9 thousands + 3 thousands = 13 thousands
Regroup: 13 thousands = 1 ten thousand + 3 thousands

OADUS
ARNINGS



Tth Th H T O

$$\begin{array}{r} 49,762 \\ + 3,588 \\ \hline \end{array}$$

53,350

ADD



1 ten thousand + 4 ten thousands = 5 ten thousands
No regrouping needed because sum of digits in a place value is less than 9.

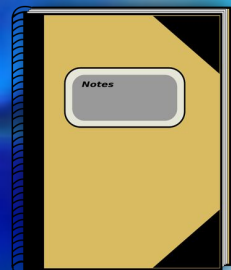
OADUS
ARNINGS



Use the standard
algorithm to add.
 $17,650 + 58,934$

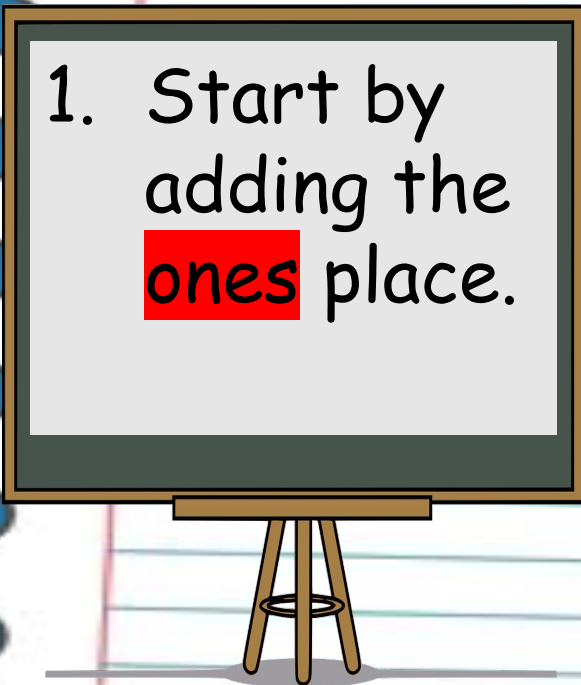
ADD





Label your places

ADD

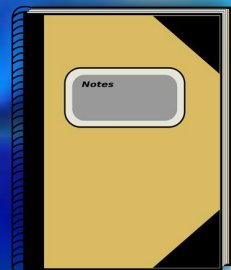


Tth Th H T O

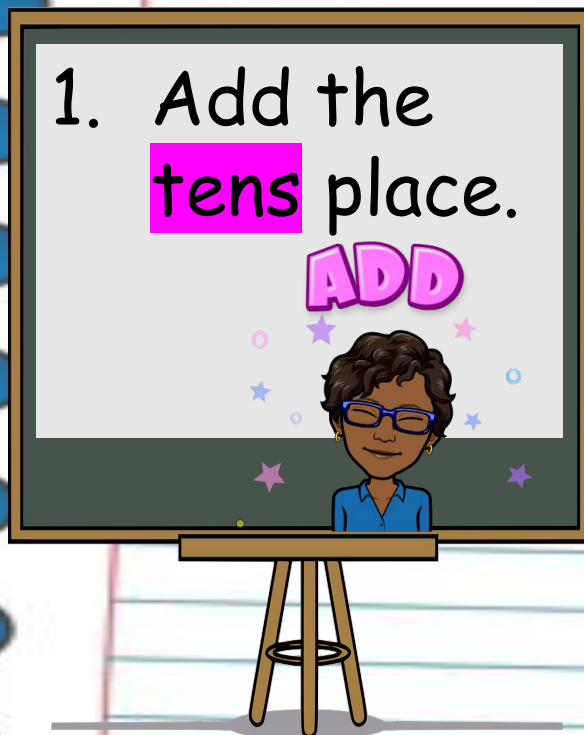
$$\begin{array}{r} 58,934 \\ + 17,650 \\ \hline 0 \end{array}$$

4 ones + 0 ones = 4 ones

No regrouping needed because sum of digits in a place value is less than 9.



ADD



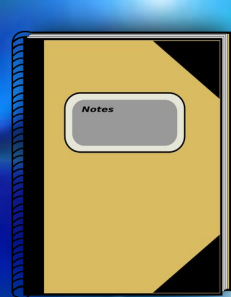
Tth Th H T O

$$\begin{array}{r} 58,934 \\ + 17,650 \\ \hline \end{array}$$

84

3 tens + 5 tens = 8 tens

No regrouping needed because sum of digits in a place value is less than 9.



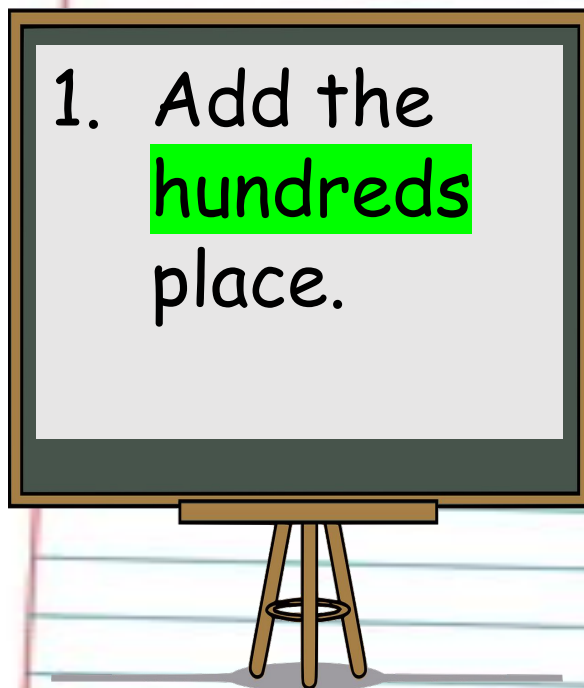
ADD



Tth Th **H** T O

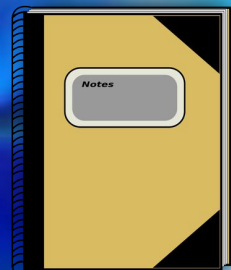


$$\begin{array}{r} 58,934 \\ + 17,650 \\ \hline 584 \end{array}$$



1. Add the
hundreds
place.

9 hundreds + 6 hundreds = 15 hundreds
Regroup: 15 hundreds = 1 thousand + 5 hundreds



ADD

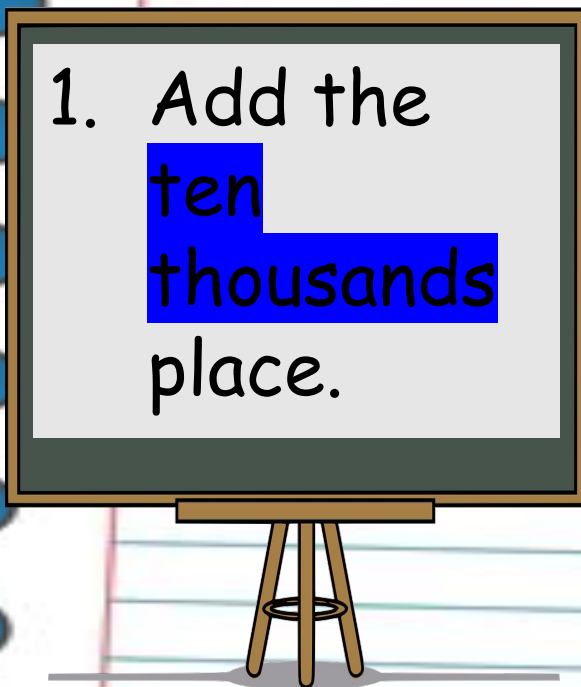
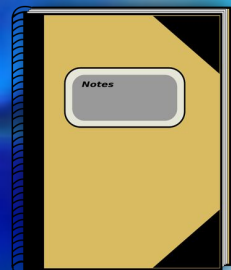


Tth Th H T O



$$\begin{array}{r} 58,934 \\ + 17,650 \\ \hline 6,584 \end{array}$$

1 thousand + 8 thousands + 7 thousands = 16 thousands
Regroup: 16 thousands = 1 ten thousand + 6 thousands



Tth Th H T O



$$\begin{array}{r} 58,934 \\ + 17,650 \\ \hline \end{array}$$

$$76,584$$

ADD



1 ten thousand + 5 ten thousands + 1 thousand = 7 ten thousands
No regrouping needed because sum of digits in a place value is less than 9.

OADUS
ARNINGS



Exit Ticket:

29,789 people attended a seafood fest in Virginia Beach on Saturday. On Sunday, 12,476 people attended the park. How many total people attended the amusement park on Monday and Tuesday?



ADD



DADUS
ARNINGS

INDEPENDENT PRACTICE:

pg 51, 52 Problems 10,19,22

HOMEWORK:

pg. 51----> 7-9, 11-16

ADD

