

Are you ready to
➔EARN?

Mission 5

**Add and Subtract
Big Numbers**

Name: _____

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Fourth Edition

Name: _____

Weekly Goal Tracker

Week of:	My goal is to earn badges for lessons: _____	Teacher Signature:
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Name: _____

Mission 5: Workbook Checklist

1. More or Less	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
2. More Hundreds, Fewer Hundreds	Date: _____	Teacher Signature: _____
Learning Lab:		<input type="radio"/> Exit Ticket
3. Way? Arrow Way!	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
4. Break It Down	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
5. Easier Adding	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
6. Easier Subtracting	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
7. Thousand Strategies	Date: _____	Teacher Signature: _____
Z-Squad:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
8. Add Away	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
9. Double Bundle	Date: _____	Teacher Signature: _____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
10. Compose and Match	Date: _____	Teacher Signature: _____
Learning Lab:		<input type="radio"/> Exit Ticket

11. Math Magic	Date:_____	Teacher Signature:_____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
12. Sum Sharing	Date:_____	Teacher Signature:_____
Z-Squad:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
13. Prove It	Date:_____	Teacher Signature:_____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
14. Subtract and Prove	Date:_____	Teacher Signature:_____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
15. Showing Subtraction	Date:_____	Teacher Signature:_____
Learning Lab:		<input type="radio"/> Exit Ticket
16. Smart Strategies	Date:_____	Teacher Signature:_____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
17. Take Away, from Hundreds!	Date:_____	Teacher Signature:_____
Learning Lab:		<input type="radio"/> Exit Ticket
18. Multiple Zeros	Date:_____	Teacher Signature:_____
Z-Squad:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
19. Sum Different Strategies	Date:_____	Teacher Signature:_____
Math Chat:	<input type="radio"/> Notes	<input type="radio"/> Exit Ticket
20. Strategy Selection	Date:_____	Teacher Signature:_____
Learning Lab:		<input type="radio"/> Exit Ticket

Lesson 1
G:2 M:5

More or Less

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

- 1** Super J rescued 27 dogs in June. In July, she rescued 11.
In August, she rescued 40.



How many dogs did Super J rescue in those 3 months?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE

Super J rescued _____
dogs in all.



EXTRA WORKSPACE



Lesson 1
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve using the arrow way.

a. $440 + 220 =$ _____

b. $670 +$ _____ $= 890$

c. _____ $+ 765 = 945$



Lesson 2

G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

Solve using place value strategies. Use the arrow way or mental math, and record your answers. You may use scrap paper if you like.

1.

$$760 - 500 = \underline{\hspace{2cm}}$$

$$880 - 600 = \underline{\hspace{2cm}}$$

$$990 - \underline{\hspace{2cm}} = 590$$

2

$$534 - 334 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} - 500 = 356$$

$$736 - \underline{\hspace{2cm}} = 136$$



Lesson 3
G:2 M:5

Way? Arrow Way!

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

Ms. Joseph and her friends ate 27 blueberries at a picnic.
They had 48 left over.



How many blueberries did they start with?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE

They started with
_____ blueberries.



2

Complete the arrow way.

ARROW WAY

$$280 \xrightarrow{+ 200} 480 \xrightarrow{+ 20} 500 \xrightarrow{+ 10} \underline{\hspace{2cm}}$$

3

Solve.

SHOW YOUR WORK

$$470 + 200$$

$$470 + 210$$

EXTRA WORKSPACE



Lesson 3
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve each set of problems using the arrow way.

a. $440 + 300$

$$360 + 440$$

$$440 + 380$$

b. $670 + 230$

$$680 + 240$$

$$250 + 660$$



Lesson 4
G:2 M:5

Break It Down

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

- 1** Ms. Joseph needs 65 sticks to make a magic box. She only has 48.



How many more sticks does she need?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE

Ms. Joseph needs _____
more sticks.



2

Complete the arrow way in your notes.

ARROW WAY

$$780 - 390$$

$$\begin{array}{r} - 300 \\ 780 \longrightarrow \end{array} \quad \begin{array}{r} - 80 \\ \longrightarrow \end{array} \quad \begin{array}{r} - \underline{\quad} \\ \longrightarrow \end{array}$$

3

Solve $440 - 260$. Use the subtraction you just did to help.

SHOW YOUR WORK

$$440 - 260 = \underline{\quad}$$

EXTRA WORKSPACE



Lesson 4
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐ Class: _____

1. Solve using a simplifying strategy. Show your work if needed.

$$830 - 530 = \underline{\hspace{2cm}}$$

$$830 - 750 = \underline{\hspace{2cm}}$$

$$830 - 780 = \underline{\hspace{2cm}}$$

2. Solve.

a. $67 \text{ tens} - 30 \text{ tens} = \underline{\hspace{2cm}} \text{ tens.}$ The value is .

b. $67 \text{ tens} - 37 \text{ tens} = \underline{\hspace{2cm}} \text{ tens.}$ The value is .

c. $67 \text{ tens} - 39 \text{ tens} = \underline{\hspace{2cm}} \text{ tens.}$ The value is .



Lesson 5
G:2 M:5

Easier Adding

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

- 1** Solve by using a number bond to make a hundred.

$$340 + 280 = \underline{\hspace{2cm}}$$



$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$



EXTRA WORKSPACE



Lesson 5

G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Add by drawing a number bond to make a hundred. Write the simplified number sentence and solve.

a. $390 + 210 =$ _____



_____ + _____ = _____

b. $798 + 57 =$ _____



_____ + _____ = _____

2. Solve.

53 tens + 38 tens = _____



Lesson 6
G:2 M:5

Easier Subtracting

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

Maya made 60 cupcakes for the school bake sale. She sold 28 cupcakes on the first day.



How many cupcakes did she have left?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE

Maya had _____
cupcakes left.



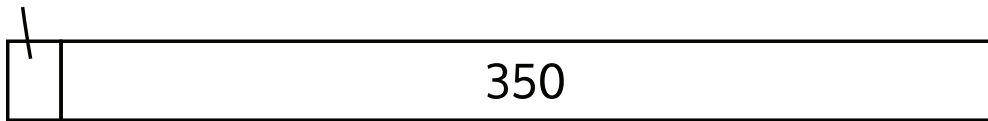
2

What should we add to make this problem easier?

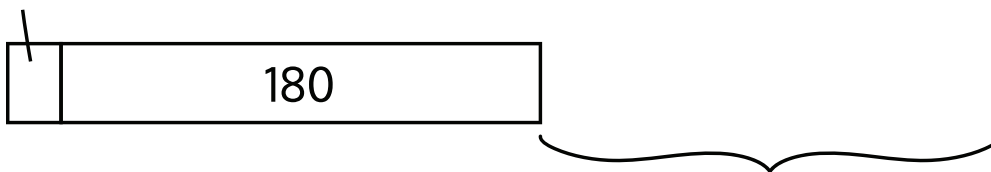
Write a new number sentence and solve.

SHOW YOUR WORK

+ _____



+ _____



$$350 - 180 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

EXTRA WORKSPACE



Lesson 6
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐ Class: _____

1. Draw and label a tape diagram to show how to simplify the problem. Write the new equation, and then subtract.

a. $363 - 198 =$ _____ $=$ _____

b. $671 - 399 =$ _____ $=$ _____

c. $862 - 490 =$ _____ $=$ _____



Lesson 7
G:2 M:5

Thousand Strategies

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1 $697 + 223$

SHOW YOUR WORK

$697 + 223 = \underline{\hspace{2cm}}$



2

722 - 490

SHOW YOUR WORK

$$722 - 490 = \underline{\hspace{2cm}}$$

EXTRA WORKSPACE



Lesson 7
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Circle one of the strategies below, and use the circled strategy to solve $490 + 463$.

a. Arrow way / Number bond

b. Solve:

- c. Explain why you chose that strategy.



Lesson 8
G:2 M:5

Add Away

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

$200 + 300 = \underline{\hspace{2cm}}$

$440 + 200 = \underline{\hspace{2cm}}$

2

hundreds	tens	ones

$$\begin{array}{r} 211 \\ + 95 \\ \hline \end{array}$$



3

What is $211 + 95$? Add the hundreds, tens, and ones.

SHOW YOUR WORK

$$\begin{array}{c} 211 + 95 \\ \swarrow \downarrow \searrow \swarrow \searrow \\ 200 + 10 + 1 + 90 + 5 \end{array}$$

4

hundreds	tens	ones	
			$\begin{array}{r} 324 \\ + 157 \\ \hline \end{array}$

EXTRA WORKSPACE



Lesson 8

G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve the following problems using your place value chart, place value disks, and vertical form. Bundle a ten or hundred, when necessary.

a. $378 + 113$

b. $178 + 141$



Lesson 9 G:2 M:5	Double Bundle
	ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐ Class: _____

1

Solve $427 + 385$ again using a different strategy to check your work.

SHOW YOUR WORK

2

Does $672 + 249 = 921$?

Use any strategy to check your work.

SHOW YOUR WORK



3

Solve $338 + 273$

hundreds	tens	ones

$$\begin{array}{r} 338 \\ + 273 \\ \hline \end{array}$$

EXTRA WORKSPACE



Lesson 9
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve the following problems using your place value chart, place value disks, and vertical form. Bundle a ten or hundred, when necessary.

a. $375 + 197$

b. $184 + 338$



Lesson 10
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve using vertical form, and draw disks on a place value chart. Bundle as needed.

a. $436 + 509 =$ _____

b. $584 + 361 =$ _____



Lesson 11
G:2 M:5

Math Magic

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

Does $342 + 169 = 511$?

Use any strategy to check your work.

SHOW YOUR WORK

2

hundreds	tens	ones

$$\begin{array}{r} 545 \\ + 278 \\ \hline \end{array}$$



3

Ms. Joseph used 784 magic cards in her first trick and 179 magic cards in her second trick.



How many magic cards did Ms. Joseph use altogether?



YOUR DRAWING

hundreds	tens	ones

YOUR NUMBER SENTENCE



$$\begin{array}{r} 784 \\ + 179 \\ \hline \end{array}$$

YOUR WORD SENTENCE

Ms. Joseph used _____
magic cards altogether.

EXTRA WORKSPACE



Lesson 11
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve using vertical form, and draw disks on a place value chart. Bundle as needed.

a. $267 + 356 =$ _____

b. $623 + 279 =$ _____



Lesson 12 G:2 M:5	Sum Sharing
	ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1 374 + 210

ARROW WAY

$$374 + 210 = \underline{\hspace{2cm}}$$

ALGORITHM

$$374 + 210 = \underline{\hspace{2cm}}$$



2

A park has 298 pine trees and 142 oak trees.

How many trees does the park have?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE

The park has _____ trees.

EXTRA WORKSPACE



Lesson 12
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐


Class: _____

1. Choose the best strategy and solve. Explain why you chose that strategy.

a. $467 + 298$

EXPLANATION





b. $300 + 524$

EXPLANATION



Lesson 13
G:2 M:5

Prove It

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

Add the parts together to see if you get the correct total.
Use any addition strategy.

SHOW YOUR WORK

$$121 + 123 = \underline{\hspace{2cm}}$$

2

hundreds	tens	ones	
			244
			– 125
			<hr/>





Add $125 + 119$ to check your work.

Use any addition strategy.

SHOW YOUR WORK

$$125 + 119 = \underline{\hspace{2cm}}$$

EXTRA WORKSPACE



Lesson 13
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

Solve using mental math or vertical form with place value disks.
Check your work using addition.

1. $378 - 117 =$ _____

2. $378 - 119 =$ _____

3. $853 - 433 =$ _____

4. $853 - 548 =$ _____



Lesson 14 G:2 M:5	Subtract and Prove
	ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

Add the parts to prove our answer is correct.

Use any addition strategy.

SHOW YOUR WORK

$$147 + 387 = \underline{\hspace{2cm}}$$



2

Solve $637 - 253$ using disks and the subtraction algorithm.

SHOW YOUR WORK

hundreds

tens

ones

637

– 253

YOUR NUMBER BOND

YOUR ADDITION SENTENCE

EXTRA WORKSPACE



Lesson 14

G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve by drawing place value disks on a chart. Then, use addition to check your work.

a. $375 - 280$

Solve vertically or
mentally

Check:

b. $741 - 448$

Solve vertically or
mentally

Check:



Lesson 15

G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve by drawing place value disks on a chart. Then, use addition to check your work.

a. $583 - 327$

hundreds	tens	ones

Solve vertically or mentally

Check:

b. $721 - 485$

hundreds	tens	ones

Solve vertically or mentally

Check:



Lesson 16 G:2 M:5	Smart Strategies
	ZEARN STUDENT NOTES

Name: _____ Date: _____



Complete: ☐

Class: _____

- 1 Maya read 15 more pages than Braydon. Braydon read 38 pages.



How many pages did Maya read?

 YOUR DRAWING	
YOUR NUMBER SENTENCE 	YOUR WORD SENTENCE



2

Add the two parts to see if you got the whole.

SHOW YOUR WORK

$$231 + 171 = \underline{\hspace{2cm}}$$

3

Solve $800 - 463$ by counting on.

SHOW YOUR WORK

EXTRA WORKSPACE



Lesson 16

G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve vertically or using mental math. Draw disks on the place value chart and unbundle, if needed.

a. $604 - 143 =$ _____

hundreds	tens	ones

b. $700 - 568 =$ _____

hundreds	tens	ones



Lesson 17
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

1. Solve vertically or using mental math. Draw disks on the place value chart and unbundle, if needed.

a. $600 - 432 =$ _____

hundreds	tens	ones

b. $303 - 254 =$ _____

hundreds	tens	ones



Lesson 18
G:2 M:5

Multiple Zeros

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

Shannon has 300 flowers in her garden. 159 flowers are red, and the rest are yellow.



How many yellow flowers does Shannon have?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE

Shannon has _____
yellow flowers.



EXTRA WORKSPACE



Lesson 18
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐


Class: _____

1. Choose the best strategy and solve. Explain why you chose that strategy.

a. $400 - 265$

EXPLANATION





b. 507 - 198

EXPLANATION



Lesson 19
G:2 M:5

Sum Different Strategies

ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1

At the beach, Braydon collected 37 fewer seashells than Maya. Maya collected a total of 48 seashells.



How many seashells did Braydon collect?



YOUR DRAWING

YOUR NUMBER SENTENCE



YOUR WORD SENTENCE



2

$180 + 440 = \underline{\hspace{2cm}}$

SHOW YOUR WORK

3

$400 - 236 = \underline{\hspace{2cm}}$

SHOW YOUR WORK



Lesson 19
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐


Class: _____

1. Solve and explain why you chose that strategy.

a. $400 + 590 =$ _____

EXPLANATION




$$\text{b. } 775 - 497 = \underline{\hspace{2cm}}$$

EXPLANATION



Lesson 20 G:2 M:5	Strategy Selection
	ZEARN STUDENT NOTES

Name: _____ Date: _____

Complete: ☐

Class: _____

1 $499 + 166 = \underline{\hspace{2cm}}$

SHOW YOUR WORK



2

$$546 - 297 = \underline{\hspace{2cm}}$$

SHOW YOUR WORK

EXTRA WORKSPACE



Lesson 20
G:2 M:5

EXIT TICKET

Name: _____ Date: _____

Complete: ☐

Class: _____

Solve each problem using two different strategies.

1. $299 + 156 =$ _____

FIRST STRATEGY

a.

SECOND STRATEGY

b.





2. $547 + \underline{\hspace{2cm}} = 841$

FIRST STRATEGY

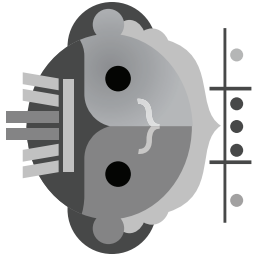
a.

SECOND STRATEGY

b.



ZEARN



Congratulations!
You completed

Grade 2 Mission 5

Add and Subtract Big Numbers

.....
Name

.....
Date



Zearned it!

