Math — 2

Course Description: Students will learn addition and subtraction facts to 18. They will learn place value and adding and subtracting tens and ones. They will be introduced to regrouping and carrying. These math facts will be applied toward solving word problems. Students will additionally develop their skills in counting, number comparison, geometry, money, time, measurement, fractions and graphing. Students will practice their skills using worksheets and online games, quizzes and activities.

Learn about our books to work offline.
PRINTABLES are worksheets to use with this online course.

Print the printables / Buy these printables as a workbook
Answer Key

Day 1
1. If you didn’t get here through My EP Assignments, I suggest you go there and create an account.
2. Let’s just play some games at the start of our new year and see what you remember! Don’t worry if you don’t remember everything. We’ll learn more about each of these things this year.
3. Choose a game from Math 1 – Addition.
4. Count the coins. Click on all four coin boxes and then start.
5. You don’t need a worksheet today, but here is a pdf all of the math worksheets you’ll be using this year. You can save the pdf and print the sheets as you need them or print them all out now and keep them together throughout the year for when you need them. (You could also choose to buy it as a workbook if you don’t want to print.) When you see an *, that’s marking where you’ll use a worksheet. If you already have printed the packet or bought the workbook, there’s nothing more you need to print.

Day 2
1. Play Minus Mission.
2. Play fruit fall. Remember bar graphs?
Day 3
1. Choose a game from Math 1 – Addition.
2. Play cross the river.

Day 4
1. Choose a game from Math 1 – Subtraction.
2. What time is it?

Day 5
1. Do these addition flashcards.
2. Music turtle!

Counting/Skip Counting

Day 6*
1. Play Chinese Dragon Ordering. Choose ordering and 1 to 100.
2. Open this 100s grid. Splat paint in the 1s column, the first up and down column on the left. Splat 1, then 11, then 21, then 31…all the way down to 91.
3. *Now write 201 in the first corner square on the blank grid. Now fill in the whole 1s column. Look at the 100 grid. Do you see how the first column all ends in 1? Fill in just that column for the 201-300 chart. The first number is 201. The next number is 211. Keep going all the way down. The last number at the bottom should be 291. (Answers)

Day 7
1. Watch counting by 2s. Type in 20 in the first box on the left. Type in 2 in the second box.
2. Click on the fish that comes next. 2 is already at the top. You have to count by 2s and click on what comes next, so the first number you have to click on is 4.
3. Fill in the 2s column on the 201-300 number grid (Day 6+ worksheet). Write 202 next to 201 and then fill in the rest of the column. (Answers)

Day 8
1. Try counting by 3s.
2. Count by 3s. After the cartoon choose 3’s.
3. Fill in the 3s column on the 201-300 number grid. (Answers)

Day 9
1. Dot-to-Dot count by 5s. After choosing “medium – county by 5s” your picture will show up. Start by clicking on the 5.
2. Which number comes next when counting by fives?
3. Fill in the numbers as you count by 5s on the number grid.

Day 10
1. Play this drive and count game. Like sandwich stacker you have to count on from the numbers there.
2. Choose to skip count by ten. What number fills in the blank?
3. Fill in the 10s column on the 201-300 number grid. The last number you fill in should be 300. (Answers)

Addition Facts / Comparing Numbers

Day 11
1. Let's learn a new addition problem. Say it out loud: six plus two equals eight, two plus six equals eight. 6 + 2 = 8, 2 + 6 = 8 What does six plus two equal? Clap the answer. Clap eight times because two plus six equals eight.
2. Start a math facts list. Write your new addition problem on your list. Hold onto this to write each new math fact down. You can use it to review and practice.
3. Practice. Change the first ten to two. Change the second ten to six. Change the minimum numbers to 2. Do fifteen problems.
4. Choose a game from Math 1 – Subtraction.

Day 12
1. Here's your new problem I want you to remember: six plus three equals nine, three plus six equals nine, 6 + 3 = 9, 3 + 6 = 9 What does six plus three equal? Jump the answer. Jump up and down nine times because six plus three equals nine.
2. Add it to your facts list.
3. Practice. Change the first ten to six. Change the second ten to three. Change the minimum numbers to 2. Do fifteen problems.

Day 13*
1. Ready for a new addition problem? six plus four equals ten, four plus six equals ten, 6 + 4 = 10, 4 + 6 = 10 What does six plus four equal? The same as four plus six! When you add, it doesn’t matter what order the numbers go in. So, what does six plus four equal? Stomp the answer. Stomp ten times because six plus four equals ten.
2. Add it to your facts list.
3. *Complete the addition worksheet. Check your answers.
4. Choose a game from Math 1 – Subtraction.

Day 14
1. Count to 300 by tens.
2. Compare **numbers**. Click the button on the right to choose your range. Choose up to 999. You’ll click on the sign that would go correctly between the numbers.

**Day 15**
1. Play **greater than or less than**. Leave the setting to compare numbers up to 100.
2. Now play with numbers up to **1000**.
3. Choose a game from **Math 1 – Addition**.

**Day 16**
1. Ready for a new addition problem? **six plus five equals eleven, five plus six equals eleven**, 6 + 5 = 11, 5 + 6 = 11 What does six plus five equal? The same as five plus six! Say “eleven” eleven times because 6 + 5 = 11!
2. Add it to your facts list.
3. **Practice**. Change the first ten to five. Change the second ten to six. Change the minimum numbers from zero to two. Do fifteen problems.
4. Choose a game from **Math 1 – Subtraction**.
5. Count by **multiples of 2**. That’s skip counting by two. It’s also the EVEN numbers! 2, 4, 6, 8, 10, 12… The other numbers are the ODD numbers.

**Day 17**
1. Here is your new addition problem. **six plus six equals twelve** 6 + 6 = 12 What does six plus six equal? Go tell someone the answer is twelve because six plus six equals twelve.
2. Add it to your facts list.
3. **Practice**. Change the first ten to six. Change the second ten to six. Change the minimum numbers from zero to two. Do fifteen problems.
4. Here’s an easy one. Compare **weights**.

**Day 18**
1. Choose a game from **Math 1 – Subtraction**.
2. Ready for a new addition problem? **seven plus two equals nine, two plus seven equals nine**, 2 + 7 = 9, 7 + 2 = 9 What does seven plus two equal? The same as two plus seven! When you add, it doesn’t matter what order the numbers go in. So, what does seven plus two equal? Stomp the answer. Stomp nine times because seven plus two equals nine.
3. Add it to your facts list.
4. **Greater than or Less than** Play at least three times. Remember: the big, open wide side points to the bigger number

**Day 19**
1. Do you remember that 7 + 2 = 9?
2. **Practice**. Change the first ten to six. Change the second ten to six. Change the minimum numbers from zero to two. Do fifteen problems.
3. **Count to 1000.** What is this chart counting by? (answer: 10) Color in the 100s column (100, 200, 300 ...).

**Day 20**
1. Here’s a new addition problem for you. **seven plus three equals ten, three plus seven equals ten, 7 + 3 = 10, 3 + 7 = 10,** jump up and down ten times and say, “Seven plus three equals ten.”
2. Go tell two other people that 3 + 7 = 10 and 7 + 3 = 10.
3. Add it to your facts list.
4. Choose a game from **Math 1 – Subtraction.**
5. Choose numbers 1 to 1000. Put them in order.

**Addition Facts, Odd and Even**

**Day 21**
1. Do you remember that 7 + 3 = 10?
2. **Practice.** Change the first ten to 7. Change the second ten to 3. Change the minimum numbers from zero to two. Do twenty problems.
3. Count out loud to 10 by ones, to 100 by tens and to 1000 by hundreds.

**Day 22**
1. Here’s a new math problem for you. **seven plus four equals eleven, four plus seven equals eleven, 4 + 7 = 11, 7 + 4 = 11**
2. Tell everyone in your home right now (who’s not sleeping) that 7 + 4 = 11.
3. Add it to your facts list.
4. **Practice.** Change the first ten to seven. Change the second ten to four. Change the minimum numbers from zero to two. Do twenty problems.
5. Get out 11 blocks or coins or something. Separate them into two piles with seven in one pile and four in the other. That shows that seven plus four equals eleven. Now move one from the seven pile to the four pile. You should have six in one pile and five in the other. That shows that **six plus five equals eleven.** Separate the piles into more ways. 9 + 2 = 11, 10 + 1… There are many ways to add up to eleven.
6. Play **Odd or Even.**

**Day 23**
1. New addition problem? **seven plus five equals twelve, five plus seven equals twelve, 7 + 5 = 12, 5 + 7 = 12**
2. Add it to your facts list.
3. Jump up and down 12 times because seven plus five equals twelve.
4. **Practice.** Change the first ten to five. Change the second ten to seven. Change the minimum numbers from zero to two. Do twenty problems.
5. Choose a game from **Math 1 – Subtraction.**

**Day 24**
1. New addition problem: **seven plus six equals thirteen, six plus seven equals thirteen, 6 + 7 = 13, 7 + 6 = 13**
2. Clap thirteen times, and count out loud while you do, because seven plus six equals thirteen, 7 + 6 = 13.
3. Add it to your facts list.
4. Practice. Change the first ten to six. Change the second ten to seven. Change the minimum numbers from zero to two. Do twenty problems.
5. Are the numbers odd or even?

Day 25
1. $7 + 7 = 14$
2. $8 + 8 = 16$
3. $9 + 9 = 18$
4. Do you think you can remember those? Say them out loud a few times.
5. Try this doubles game. What is double 2? $2 + 2 = 4$ What is double 6? $6 + 6 = 12$
6. Choose a game from Math 1 – Subtraction.

Counting to 1000 / Comparing Numbers

Day 26
1. Practice. Change the first ten to seven. Change the second ten to seven. Change the minimum numbers from zero to two. Do twenty problems.
2. Watch the first six minutes of this video. You don't have to write. Just watch.
3. Let's look at this chart again. Color in blue the row (across) and the column (up and down) that have a 3 in every block. Look for the patterns.

Day 27
1. New addition problem! eight plus two equals ten, two plus eight equals ten, $2 + 8 = 10$, $8 + 2 = 10$
3. Now tell someone that $8 + 2 = 10$. Go and tell them now.
4. Add it to your facts list.
5. Which number?

Day 28
1. Which number comes before and after?
2. New addition problem, ready? eight plus three equals eleven, three plus eight equals eleven, $3 + 8 = 11$, $8 + 3 = 11$
3. Stamp your feet eleven times because $3 + 8 = 11$
4. Add it to your facts list.
5. Choose a game from Math 1 – Subtraction.

Day 29
1. Which number?
2. One more this week. eight plus four equals twelve, four plus eight equals twelve, $8 + 4 = 12$, $4 + 8 = 12$
3. Clap the answer. What is eight plus four?
4. Add it to your facts list.
5. Practice. Change the first ten to eight. Change the second ten to four. Change the minimum numbers from zero to two. Do twenty problems.
Day 30*
1. **Which is bigger?**
2. **Practice.** Change the first ten to four. Change the second ten to eight. Change the minimum numbers from zero to two. Do twenty problems.
3. *Do the addition worksheet. Check your answers.

Day 31
1. **Pick a game** from the “Number Range: You Choose It” games and practice facts 1 – 5.
2. Choose a game from **Math 1 – Subtraction.**
3. Reminders: \(7 + 5 = 12, \ 7 + 6 = 13, \ 7 + 7 = 14\)

Day 32
1. **Count by 5.**
2. New addition fact: \(8 + 5 = 13, \ 5 + 8 = 13, \ \text{eight plus five equals thirteen, five plus eight equals thirteen}\)
3. Add it to your addition facts page.
4. **Practice.** Change the first ten to eight and the second ten to five. Change the minimum numbers from zero to two. Do **25** problems.

Day 33
1. “**Count by tens** to find the right duck.”
2. New addition fact: \(8 + 6 = 14, \ 6 + 8 = 14, \ \text{eight plus six equals fourteen, six plus eight equals fourteen}\)
3. Add it to your addition facts page.
4. Go tell someone that six plus eight equals fourteen.
5. **Practice.** Change the first ten to eight and the second ten to six. Change the minimum numbers from zero to two. Do **twenty-five** problems.

Day 34
1. **Count by 10s.** Play to 500.
2. New addition fact: \(8 + 7 = 15, \ 7 + 8 = 15, \ \text{eight plus seven equals fifteen, seven plus eight equals fifteen}\)
3. Add it to your addition facts page.
4. Wiggle your nose fifteen times because \(8 + 7 = 15\).
5. **Practice.** Change the first ten to seven and the second ten to eight. Change the minimum numbers from zero to two. Do twenty problems.

Day 35
1. **Practice.** Change the first and second ten to eight. Change the minimum numbers from zero to two. Do **30** problems.
2. Choose a game from **Math 1 – Subtraction.**

Day 36
1. **Play normal level 4.**
2. Choose a game from **Math 1 – Subtraction.**

Day 37
1. New addition problem, ready? **nine plus two equals eleven**, **two plus nine equals eleven**. \(9 + 2 = 11\), \(2 + 9 = 11\). Say it out loud. How much is nine plus two? Blink the answer. Blink eleven times.
2. Write it in your facts list.
3. Choose a game from **Math 1 – Subtraction**.

**Day 38**
1. You are getting close to knowing all addition problems! You just have to get to \(9 + 9\) and then you can add anything in the whole world!
2. Ready? **nine plus three equals twelve**, **three plus nine equals twelve**. \(9 + 3 = 12\), \(3 + 9 = 12\). What’s \(9 + 3\)? Flap the answer. Flap your arms twelve times because nine plus three equals twelve.
3. Go and tell someone that three plus nine equals twelve.
4. Write it in your facts list.
5. Practice addition. Change the first and second ten to eight. Change the minimum numbers from zero to two. Do **30** problems.
6. Choose a game from **Math 1 – Subtraction**.

**Day 39**
1. Here’s your addition problem today: **nine plus four equals thirteen**, **four plus nine equals thirteen**. \(9 + 4 = 13\), \(4 + 9 = 13\). Go and tell someone that three plus nine equals twelve.
2. What is four plus nine? Nod the answer. Nod your head thirteen times because four plus nine equals thirteen.
3. Write it in your facts list.
4. *Do today’s addition worksheet. Check your answers.*

**Day 40**
1. Choose a game from **Math 1 – Subtraction**.
2. Play **around the world in 80 seconds**, choose easy.
3. Play **alien blaster**. You still have a handful of addition facts to learn, but you should know almost all of them. You are so close to knowing them all!

**Day 41**
1. Let’s learn a new math problem. If you learn a problem each day, you can finish with memorizing addition facts this week! **nine plus five equals fourteen**, **five plus nine equals fourteen**. \(9 + 5 = 14\), \(5 + 9 = 14\). Go and tell someone that five plus nine equals fourteen.
2. What’s nine plus five? Bop your knee fourteen times to show the answer.
3. Write it in your facts list.
4. Practice addition. Change the first ten to nine. Change the second ten to five. Change the minimum numbers from zero to two. Do **30** problems.

**Day 42**
1. Let’s do another math problem. So close! **nine plus six equals fifteen**, **six plus nine equals fifteen**. \(9 + 6 = 15\), \(6 + 9 = 15\).
2. Go and tell someone that nine plus six equals fifteen.
3. Write it in your facts list.
4. Fake burp fifteen times because six plus nine equals fifteen. (Or, if that’s illegal in your house, sing “la”)
5. Practice addition. Change the first ten to six. Change the second ten to nine. Change the minimum numbers from zero to two. Do 30 problems.

Day 43
1. Choose a game from Math 1 – Subtraction.
2. Dude’s Dilemma — choose addition, easy

Day 44
1. Let’s do another addition problem. Ready? nine plus seven equals sixteen, seven plus nine equals sixteen, 9 + 7 = 16, 7 + 9 = 16 Remember to say it out loud.
2. Go and tell someone that nine plus seven equals sixteen.
3. Write it in your facts list.
4. Dance for sixteen seconds because nine plus seven equals sixteen.
5. This is the last time you have to use these flashcards! Practice addition. Change the first ten to nine. Change the second ten to seven. Change the minimum numbers from zero to two. Do 30 problems.

Day 45
1. Choose a game from Math 1 – Subtraction.
2. Fact Dash choose facts to 20

Day 46
1. Getting so close! nine plus eight equals seventeen, eight plus nine equals seventeen, 9 + 8 = 17, 8 + 9 = 17
2. Go and tell someone that nine plus eight equals seventeen.
3. Write it in your facts list.
4. Say “yeah!” seventeen times because nine plus eight equals seventeen.
5. Feed the penguins. Click on normal level four.

Day 47
1. This is it! The last one! Then you can learn to add billions! But not today nine plus nine equals eighteen, 9 + 9 = 18
2. That’s it! Tell someone that nine plus nine equals eighteen.
3. Write it in your facts list.
4. Play fruit shoot. Click on level 2 relaxed mode.
5. Do a dance because you know all your math facts. Now you know all the facts you need to know to add 45238972349+234328723592!

Day 48
1. Play with this number line. Put the frog on 10. Hop forward with arrow any number. What number do you land on? What’s the pattern? 10+1 = 11, 10+2 = 12, 10+3 = 13, 10 + 4 = 14, 10 + 5 = 15, 10 + 6 = 16,...
2. Play one round of War Pretzels.
3. Play **Minus Mission**. Choose 1 to 10. You have to type 10 in the second box. It's a little tricky, but keep trying and it will let you type it.

**Day 49**
1. Go **fishing**.
2. Play **Facts Dash**. Choose facts up to 20.

**Day 50**
1. Play **Can You Dig It?**
2. Play **Cone Crazy**. Choose medium. First answer the question on the bottom scoop of ice cream.

**Tens and Ones**

**Day 51**
1. Choose a game from **Math 1 – Subtraction**.
2. Watch this lesson on place value.

**Day 52**
1. Choose a game from **Math 2 — Addition**!
2. Go here and make numbers using blocks.
   - First make 6 by clicking six times on the one single block.
   - Then make 26 by clicking two times on the stack of ten blocks.
   - Drag everything off the page or click on clear objects (on the bottom).
   - Then make 54 by clicking five times on the stack of ten blocks and four times on the one block.
   - Make any number you like under 100 and show it to someone. Explain what number it is. Have them check to see if you are right.
   - If you want to play now, the squares are 100 blocks. The big cubes are 1000 blocks! So 2 cubes and 3 squares would be 2,300!

**Day 53**
1. Choose a game from **Math 1 – Subtraction**.
2. *Fill in the worksheet on tens and ones. Check your answers.*

**Day 54**
1. Choose a game from **Math 2 — Addition**!
2. Try this place value activity. Click on the calculator on the left. Type a two-digit number. Then build the number with blocks of tens and ones. Do it three times. You can drag the numbers to different parts of the page.

**Day 55**
1. Choose a game from **Math 1 – Subtraction**.
2. Try this place value game. Make the number by click on the tens and then the ones. Give it a try.

**Day 56**
1. Choose a game from **Math 2 — Addition**!
2. Play this place value game.

Day 57
1. Choose a game from Math 1 – Subtraction.
2. Take a place value test. Type in the number. If the number is 72, then there are 7 tens and 2 ones, 7 ten block stacks and 2 single blocks.

Shapes

Day 58*
1. Choose a game from Math 2 — Addition!
2. Do you know all of those shapes?
3. *Print out the shapes. Cut out what shapes you like and make a picture. Show your picture to a parent and tell the name of each shape on your page.

Day 59
1. Choose a game from Math 1 – Subtraction.
2. Scroll down and look at the 3D shapes. Find cube, cuboid, prism, pyramid, sphere, cylinder and cone.
3. Find the shapes.

Day 60
1. Choose a game from Math 1 – Subtraction.
2. Play Brainy Numbers. Click on blocks that add up to the number. Choose classic.
3. Find the shapes. You can use any of the choices.
4. And if you like, just for fun, use shapes to make shapes. Can you make a picture?

Subtraction Facts

Day 61*
1. We are going to start focusing on learning the rest of our subtraction facts.
2. *Print out the seven pages for fact families.
3. Let’s fill in these two fact families: 2 + 6 = 8 and 3 + 6 = 9
   • The eight and the nine go in the top circles.
4. Write out the two subtraction facts that go with each of those addition facts. You can write them right on the fact family paper.
5. Here’s an example. 3 + 4 = 7 so 7 – 3 = 4 and 7 – 4 = 3
6. Choose a game from Math 1 – Subtraction.
7. You can check fact family answers here.

Day 62
1. Today fill in another fact family page. 4 + 6 = 10 and 5 + 6 = 11
2. Write the two subtraction facts that go with each of those addition facts.
3. Choose a game from Math 2 — Addition!
4. You can check fact family answers here.

Day 63*
1. *Print and complete the subtraction worksheet. Check your answers.
2. Read the story and complete the activities about 2D and 3D shapes.

Day 64
1. Choose a game from Math 2 — Addition!
2. Fill in another fact family page. Fill it in for $6 + 7 = 13$ and $6 + 8 = 14$.
3. You can check fact family answers here.

Day 65
1. Look at the directions to see if you should click on the digit in the hundreds place, the tens place, or the ones place. In the number 123 is one hundred two tens and three ones. Give it a try.
2. Fill in another fact family page. Fill it in for $6 + 9 = 15$ and $7 + 2 = 9$.
3. You can check fact family answers here.

Day 66*
1. Fill in a fact family page for $7 + 3 = 10$ and $7 + 4 = 11$.
2. *Print and complete the subtraction puzzle worksheet. Use your fact family sheets to help you. Check your answers.
3. You can check fact family answers here.

Day 67
1. Fill in a fact family page for $7 + 5 = 12$ and $7 + 8 = 15$.
2. Choose a game from Math 2 — Addition!
3. You can check fact family answers here.

Day 68
1. Read out loud all of the subtraction problems from your fact family pages. For example: thirteen minus six equals seven, thirteen minus seven equals six...
2. Choose a game from Math 1 — Subtraction.

Day 69
1. Fill in a fact family page for $7 + 9 = 16$ and $7 + 7 = 14$.
2. Choose a game from Math 2 — Addition!
3. You can check fact family answers here.

Day 70
1. Fill in a fact family page for $8 + 2 = 10$ and $8 + 3 = 11$.
2. Choose a game from Math 1 — Subtraction.
3. You can check fact family answers here.

Day 71*
1. Fill in a fact family page for $8 + 4 = 12$ and $8 + 5 = 13$.
2. *Print and complete the subtraction crossword. Use your fact family pages to help you. Check your answers.
3. You can check fact family answers here.

Day 72
1. Fill in a fact family page for $9 + 2 = 11$ and $9 + 3 = 12$. 
2. Choose a game from Math 2 — Addition!
3. You can check fact family answers here.

Day 73
1. Read your fact family pages, but do it like this. Say, “Fifteen minus seven is,” and then jump eight times. Jump, stomp, clap, wiggle, blink, do push ups, turn in circles, etc. for all of the answers. Don’t cheat. Do them all!

Day 74
1. Fill in a fact family page for $9 + 4 = 13$ and $9 + 5 = 14$.
2. Choose a game from Math 2 — Addition!
3. You can check fact family answers here.

Day 75
1. Fill in a fact family page for $8 + 8 = 16$ and $8 + 9 = 17$
2. Choose a game from Math 1 – Subtraction.
3. You can check fact family answers here.

Day 76
1. Here are your last facts! Then you can add and subtract anything in the world! You will be amazing! Ready?
2. Fill in a fact family page for $6 + 6 = 12$ and $9 + 9 = 18$.
3. You can check fact family answers here.

Day 77
1. Choose a game from Math 2 — Addition!
2. Choose a game from Math 2 — Subtraction!

Day 78*
1. *Make some 3D shapes. Start with the cube and then decide if you’d like to make some more.
2. Choose a game from Math 2 — Subtraction!

Day 79
1. Do you remember the names of the shapes?
2. Choose a game from Math 2 — Subtraction!

Day 80
1. Play one round of War Pretzels.
2. If you want more flashcard-like practice on your addition and subtraction to know them really well and quickly, go to Xtramath.org.

Word Problems

Day 81
1. We’re going to start solving problems with our math facts. We’ll keep playing games too, so we don’t forget the facts!
2. We’re going to figure out the problems together at first.
3. Let me give you an example of what a Word Problem is. Usually you do your math like this: \( 6 + 4 = ? \). Let’s make that into a word problem.
   - Let’s say you have six people in your family. Another family with four people in it come over for dinner. How many people will be sitting at the table?
   - That’s a **word problem**. You need to figure out the answer, so you know how many chairs and plates you’ll need to set up.
   - How do you figure it out? You have 6 people plus 4 more come. That’s 6 plus 4. \( 6 + 4 = 10 \) That’s your answer.

4. Now your turn. Here’s the **word problem**.
   - Ned rode his bike 7 miles to the library. He took a shortcut on the way home which was only 5 miles long. How many miles did Ned ride altogether?
   - I’m going to give you a hint. When a problem says **altogether**, you are going to add to find your answer. Before we add, let’s start with a picture.
   - Take a piece of paper. Draw Ned on one side. Draw a library on the other side (it can just be a square.) Put your finger on Ned. Your finger is Ned. Now move your finger up and over and to the library. How far did Ned go so far? How many miles? Read the problem to find out. (answer: 7) Write the number on the paper.
   - Now move your finger straight back home. How far did Ned go to get back home? Look at the problem and find the number. (answer: 5)
   - Leave a space next to the seven and then write the number.
   - Now let’s do it **altogether**. Put your finger on Ned. Go 7 miles to the library and 5 miles back home. How far did Ned go **altogether**?
   - He went 7 miles plus 5 miles more. Write a plus sign between the 7 and the 5.
   - What’s the answer? Go **type it in** and click on Check. Then click on Show Answer.
   - Now, he didn't go 12 centimeters or 12 feet. He went 12 miles. In a **word problem** it is **VERY** important to **label** your answer, write the word that you are talking about (like miles for this problem).
   - You solved your first word problem. Way to go! Now you can play a game.

5. Choose a game from **Math 2 — Addition!**

**Day 82**

1. Here’s your new **word problem**.
   - Anne ate 6 cookies.
     Samantha ate 4 more cookies than Anne.
     How many cookies did Samantha eat?
   - Draw a picture or use legos as cookies. You need 6 cookies. Draw 6 cookies or lay out 6 “cookies.”
   - Who ate that many cookies? (answer: )
   - Who ate the most cookies? Read the problem carefully to find the answer. (answer: )
   - The problem tells us that Samantha ate more cookies than Anne.
   - How many cookies did Samantha eat? How do we figure it out. We know she ate 6 cookies, just like Anne, but then she ate more. How many more? (answer: )
   - Add 4 more cookies to your drawing or lego collection.
   - How many cookies did Samantha eat? Write the number **equation**. That means write the problem with numbers and no words. (answer: )
• Type in your answer and check it. Type in the number and the label, the word you are talking about (cookies this time). First you will have to click on the arrow to change it to the second problem (2/5). That means second out of five problems.
• Is this what you wrote? (answer: 10 cookies)

2. Choose a game from Math 2 — Subtraction!

Day 83
1. Here’s your next word problem.
   • Henry gave 5 stickers to his younger brother.
   Now he only has 9 stickers.
   How many stickers did Henry have at first?
2. What should do first? Let’s draw a picture.
3. Draw two people. Draw one stick person on one side of the page and another stick person on the other side of the page.
4. Draw 5 stickers under one and 9 stickers under the other.
5. How many stickers does Henry have now? (answer: )
6. Before he had those nine stickers plus all of the stickers he gave his brother. Write this word problem as an equation, as a number problem. Don’t look at the answer until you’ve written the problem with numbers instead of words. (answer: )
7. How many stickers did Henry have at first, before he gave any away? Click on the arrow to find the third problem (3/5) and then enter your answer with a number and a word label. The word label for this problem is stickers.
8. Were you right? ( )
9. Choose a game from Math 2 — Addition!

Day 84
1. Here’s your next word problem.
   • Derek and Larry have 15 books together.
   6 of the books belong to Derek.
   How many books does Larry have?
2. What do we do first? (answer: )
3. Draw a picture of 15 books. (You can just make a line for each book. It doesn’t have to be a pretty picture.) Or, you can get out 15 legos and pretend they are the books.
4. Your fifteen books are Derek’s and Larry’s. Right now they are all together in one big pile.
5. Now, look at the problem. How many of the books are Derek’s? (answer: )
6. Count out six legos and put them in a separate pile. Or, circle six books in your picture. Those are the ones that belong to Derek.
7. Who do the rest of the books belong to? (answer: )
8. So, how many books does Larry have? Count them up. That’s the answer.
9. But how do we get that with a number problem. What kind of problem is it when you have a lot and then take some away? Is it an addition problem or a subtraction problem? (answer: )
10. Write this word problem as a number problem. Write the equation. Don’t look until you wrote it down. (answer: )
11. How many books does Larry have? Click on the arrow to find the fourth problem (4/5) and then enter your answer with a number and a word label. What’s the word label for this problem? (answer: )
12. Were you right? Did you write 9 books?
13. Choose a game from Math 2 — Subtraction!

**Day 85**
1. Ready for your next word problem?
   - Angela had 8 computer games.
     She got 3 more for her birthday.
     How many computer games did Angela have then?
2. What do you do first? (answer: )
3. Think about the different parts of the picture and what they are. ( )
4. Write the equation. Write the word problem as a number problem.
5. How many games did Angela have after her birthday? Click on the arrow to find the fifth problem (5/5) and then enter your answer with a number and a word label.
6. Did you get it right? Click on Show Answer to see if you got the word label correct.
7. Choose a game from Math 2 — Addition!

**Day 86**
1.
   - 15 children watched the circus.
     8 children were holding banners.
     How many children were not holding banners?
2. What do you do first? (answer: )
3. Think about the different parts of the picture and what they are. ( )
4. Write the equation. Write the word problem as a number problem. ( )
5. How many children were not holding banners? Enter your answer with a number and a word label.
6. Did you get it right? Click on Show Answer to see if you got the word label correct.
7. Choose a game from Math 2 — Subtraction!

**Day 87**
1.
   - A clown juggled 7 red balls.
     Another clown tossed him 5 more balls.
     How many balls was the clown juggling then?
2. What do you do first? (answer: )
3. Think about the different parts of the picture and what they are. ( )
4. Write the equation. Write the word problem as a number problem. Is it addition or subtraction? Did the clown add more balls or take away balls?
5. How many balls did the clown juggle altogether? Click on the arrow to find the second problem (2/5) and then enter your answer with a number and a word label.
6. Did you get it right? Click on Show Answer to see if you got the word label correct.
7. Choose a game from Math 2 — Addition!
Day 88

- 11 clowns were wearing polka dot pants.
  5 clowns were wearing striped pants.

How many more clowns were wearing polka dot pants?

1. What do you do first? (answer: )

2. This problem is different than others you have done. It asks, “How many more clowns were wearing polka dot pants?” It’s asking what’s the difference between the number of polka dot clowns and the number of striped clowns.

3. Look at the picture. Draw a line from each striped pants to a polka dot pants. How many polka dot pants extra are there? How many don’t have matches? That’s how many more there are. How many? (answer: )

4. How do we write that with numbers as an equation? Is it addition or subtraction? Write the equation before you peek at the answer. (answer: )

5. We use subtraction to find the difference between the number of things.

6. Click on the arrow to find the third problem (3/5) and then enter your answer with a number and a word label.

7. Did you get it right? Click on Show Answer to see if you got the word label correct.

8. Choose a game from Math 2 — Subtraction!

Day 89

- How many elephants were still in the ring?
  - 14 elephants entered the ring for the first show.
  - After the show, 6 elephants left.

1. What do you do first? (answer: )

2. Think about the different parts of the picture and what they are. ( )

3. Write the equation. Write the word problem as a number problem.

4. How many elephants were still in the ring? Click on the arrow to find the fourth problem (4/5) and then enter your answer with a number and a word label.

5. Did you get it right? Click on Show Answer to see if you got the word label correct.

6. Choose a game from Math 2 — Addition!

Day 90

- 7 children jumped up and cheered for the clowns.
  5 more children joined them.

How many children were cheering then?

1. What do you do first? (answer: )

2. Think about the different parts of the picture and what they are. ( )

3. Write the equation. Write the word problem as a number problem.

4. How many children were cheering altogether? Click on the arrow to find the fifth problem (5/5) and then enter your answer with a number and a word label.

5. Did you get it right? Click on Show Answer to see if you got the word label correct.
6. Choose a game from **Math 2 — Subtraction!**

**Money**

**Day 91**
1. Do this lesson on **coins**. This is American money, but the adding together of coins worth 1, 5, 10, 25, etc. is useful in lots of currencies.
2. Choose a game from **Math 2 — Addition!**

**Day 92**
1. *You may find it helpful to use a chart to help you count coins, especially when adding on tens. Use it if it helps you. Try it today.*
   - Count by tens. Then count by fives. Then count by ones.
     - Counting by tens: 10, 20, 30, 40, 50
     - Counting by fives: 5, 10, 15, 20, 25
     - Counting by ones: 1, 2, 3, 4, 5
     - This is how you put them together. Count 2 dimes, 3 nickels and 4 pennies.
     - Counting 2 dimes: 10, 20
     - Count ON 3 nickles: 25, 30, 35
     - Count ON 4 pennies: 36, 37, 38, 39
   - Check answers.
2. Try **counting more coins**.
3. Choose a game from **Math 2 — Subtraction!**

**Day 93**
1. Match the money.
   - A quarter is 25 cents.
   - 25, 50, 75, 100
   - 100 cents in one dollar.
2. Choose a game from **Math 2 — Addition!**

**Day 94**
1. Make the total amount to **buy the item**.
2. Choose a game from **Math 2 — Subtraction!**

**Day 95**
1. Gather up a handful of coins. If you don’t have American coins, lay the coin with same number on it over the American coin.
2. *Print out the chart.*
3. Organize your coins into piles. Count up all your quarters (or 25) coins. Write the number you have on the chart. Now count by 25s and figure out how much money those coins are worth. Write it on the chart. Do that for all of your coins.
4. Choose a game from **Math 2 — Addition!**

**Day 96**
1. **Which coin?**
2. Choose a game from **Math 2 — Subtraction!**
3. If you are getting the answers wrong, don’t get frustrated. Go to Xtramath.org each day until you know them all quick. Then you can win all of the games! It will take you through addition and subtraction until you know them all correctly and quickly.

Day 97
1. Click on level 1 and beginner.
2. Choose a game from Math 2 — Addition!

Day 98
1. Play spending spree.
2. Choose a game from Math 2 — Subtraction!

Day 99
1. Read Too Much Noise. Answer the questions and click on the arrows to move ahead.
   - In this story it uses a fifty cents coin. You don’t see these often. This is what it looks like. It’s just like having two quarters.
   - This story asks you to find the fewest coins needed. Start with the coin worth the most. If you can use it without having too much money, choose it. Choose the most of that coin you can use without having too much money. Then you move to the next coin worth the most.
2. Choose a game from Math 2 — Addition!

Day 100
1. Click on level 1 and expert. Use the least amount of coins.
2. Choose a game from Math 2 — Subtraction!

More Word Problems

Day 101
- Richard has $6. Scott has $8 more than Richard. How much money does Scott have?
1. Do you remember the first step? (answer:}
2. Label your drawing. Which are how many Richard has? Which are how many Scott has?
3. Does Scott have $8? (answer: }
4. Write your equation. Write the problem with numbers instead of words.
5. How much money does Scott have? Enter your answer with a number and a label.
6. Did you get it right? Click on Show Answer to see if you got the label correct.
7. Choose a game from Math 2 — Addition!

Day 102
1. Do the second word problem. Use the arrow to find 2/5.
2. It says, “Altogether,” which is a clue to add.
3. Draw a picture. What in the picture shows the answer?
4. Write an equation.
5. Answer the question and check your answer.
6. Choose a game from Math 2 — Subtraction!
Day 103
1. Do the third word problem. Use the arrow to find 3/5.
2. It says, “less,” which is a clue to subtract.
3. Draw a picture. What in the picture shows the answer?
4. Write an equation.
5. Answer the question and check your answer.
6. Choose a game from Math 2 — Addition!

Day 104
1. Do the fourth word problem. Use the arrow to find 4/5.
2. In this one you are comparing what two people have. If you had 1 cookie and your brother had three cookies, how many more cookies did your brother have than you? Did you subtract or add to find the answer?
3. Draw a picture. What in the picture shows the answer?
4. Write an equation.
5. Answer the question and check your answer.
6. Choose a game from Math 2 — Subtraction!

Day 105
1. Do the fifth word problem. Use the arrow to find 5/5.
2. No hints this time.
3. Did you get it right?
4. Choose a game from Math 2 — Addition!

More Money

Day 106
1. We’re going to keep working on money. We’re going to use more money this time. One hundred cents is one dollar.
   • 100 pennies are worth 1 dollar
   • 20 nickles are worth 1 dollar — 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100
   • 10 dimes are worth 1 dollar — 10, 20, 30, 40, 50, 60, 70, 80, 90, 100
   • 4 quarters are worth 1 dollar — 25, 50, 75, 100
2. 5 dollar bills are worth the same amount of money as one 5 dollar bill.
3. Two five dollar bills are worth the same amount of money as one ten dollar bill. Right? $5 + 5 = 10$ so $5 + $5 = $10$
4. Try level 2 Beginner first. You can try Expert after if you like.
5. Choose a game from Math 2 — Subtraction!

Day 107
1. Buy the item.
2. Choose a game from Math 2 — Addition!

Day 108
1. Play this money game. Click on “Play Now.” You can start with easy and work your way up to hard.
2. Choose a game from Math 2 — Subtraction!

Day 109
1. Ask your parents for all of their money! Count their bills and count their coins. Have someone check to see if you are right.
2. Choose a game from Math 2 — Addition!

Money Word Problems

Day 110
1. Play level 3. Play beginner. This counts up lots of money. $10 + $10 = $20 right? You can do it!
2. Choose a game from Math 2 — Subtraction!

Day 111
1. Do these money word problems. You can do it!

Day 112*
1. *Complete the money word problems. Check your answers.

Day 113*
1. *Try these harder money word problems. You can do it. Draw a picture or get out coins and count them up! Check your answers.

Day 114
1. More money word problems.

Day 115
1. Choose a game from Math 2 — Subtraction!
2. Choose a game from Math 2 — Addition!

Time

Day 116
1. Do you remember how to tell time? Do you remember the hour hand is the short one and the minute hand is the long one? Do you remember that when the hour hand points to the three and the minute hand points to the twelve we say, “Three o’clock”
2. Let’s see if you remember. Play this quick game.
3. Now look at these clocks. The minute hands are all pointing to the six. That means “thirty minutes.”
4. Find the right time.
5. Choose a game from Math 2 — Subtraction!

Day 117
1. Remember how to count by fives? Watch the video.
2. Now look at this clock face. Each of those big numbers stands for an hour. If the hour hand is pointing to the two. It is two o’clock. If it is after the two (but not to the 3 yet) then it is 2 and some minutes. Let’s figure out how many minutes.
3. Point to each number as you count by fives. Point to the 1 and say “five.” Point to the 2 and say “ten.” It takes five minutes for the minute hand to move from one number to the next, so we count by fives when we are counting minutes. Count by fives all the way around the clock. When you get to the 11 you should be at 55 minutes. Did you count correctly?

4. Now count around the clock again!

5. Choose a game form Math 2 — Addition!

**Day 118**

1. Do you remember how to count the minutes by five? Here’s the clock if you want to practice it again.
2. See if you can find the time. Remember that the hour is the number the hour hand comes AFTER. Choose slow clocks under relaxed mode. Use the circle guide above the clock to shoot the correct time.
3. Choose a game from Math 2 — Subtraction!

**Day 119**

1. Match the times to the clocks.
2. Choose a game form Math 2 — Addition!

**Day 120**

1. Do you think you got it? Take a quiz.
2. Choose a game from Math 2 — Subtraction!

**Day 121** *(Portfolio time if you are making one. You could save one of the worksheets from this week.)*

1. Match the times.
2. *Draw the hands on the clock to show the time.*
3. Ask someone older to check it for you.

**Day 122**

1. *Print out the clocks. Follow my directions below.
2. Write down on the blank the time on the first clock.
3. Read the word problem and then write how many hours you need to add or subtract.
4. Now take your finger and point to the hour hand on the first clock.
5. Pointing to each hour, count up or down according to what the problem is. The minutes do not change.
6. Write the new time in the answer blank and draw the new time.
7. Have someone check your answers when you are done.
8. Choose a game form Math 2 — Addition!

**Day 123**

1. Play this time telling word problem game. If you lose, play again.

**Day 124** *(*)

1. (*)You are going to need to sit with someone who can tell time for this. Read the time on each clock. The short hand is the hour hand. The long hand is the minute hand. Then
say what time it is going to be in five minutes. If you want to play it as a game, print it out and use dice.

2. Here’s a page with the answers.

3. Choose a game from Math 2 — Subtraction!

Day 125*
1. *Read the questions and draw in the hands on the blank clocks.
2. Have someone check your answers when you are done.
3. Choose a game form Math 2 — Addition!

Day 126
1. Do all five word problems. Use the arrow to move to the next problem after you check your answer. Draw pictures to help you. Write the number equation. Write the label with your number answer.

Day 127
1. Count to 100 dollars. You can use beginner.
2. Then do level 1, expert. Expert means you have to use the fewest number of coins. To count to 30 cents you would use a quarter and a nickle, not three dimes. Give it a try. Do your best.
3. Math 2 — Subtraction!

Graphs

Day 128
1. Read and learn about bar graphs.
2. Choose a game form Math 2 — Addition!

Day 129
1. Read bar graphs.
2. Math 2 — Subtraction!

Day 130
1. Now build bar graphs.
2. Choose a game form Math 2 — Addition!

Day 131*
1. *Use the information at the top of the page to fill in the bar graph.
   • First look at the information. What is this graph about?
   • If snake were on there and it got 4 votes, you would find snake along the bottom and color in four blocks above it.
   • Fill in the bar graph to show how many times each animal was voted as someone’s favorite.
2. Then answer the questions about the graph. Check your answers.
3. Math 2 — Subtraction!

Day 132
1. Read this story about pictographs.
2. Choose a game form Math 2 — Addition!
Day 133
1. Make a **pictograph**. Don’t be confused by everything it says. Where it says choose a picture and a color, you can choose a picture and a color using the drop down menu.
2. Don’t change anything else.
3. In the top line of the graph, write “Number of ______.” The blank is whatever picture you chose: car, flower, boat...
4. In the first box under description, write the color you chose.
5. Now click on the graph and watch the pictures show up. Decide how many there should be.
6. Now choose another color.
7. Write that color in the next description box.
8. Click on the graph and decide how many there should be.
9. Do the same thing with different colors and fill in the graph.
10. Call someone over and tell them what your graph shows.
11. **Math 2 — Subtraction!**

Day 134
1. Choose a random number between 1 and 7 for each color: green, purple, red, and yellow.
   - This is your data. You will use these numbers to make your graph.
2. Click on this link to make a **circle graph or pie chart**.
3. You are going to use your **data** that you created with your connecting blocks. (If it’s not already there, click on the Data tab.)
4. You will create four slices, one for each color. Change the colors to match the colors of your blocks.
5. Write the color name in as the “Item Label” for each color.
6. Enter the number of blocks of each color for its “Value.”
7. Click on the Preview tab.
8. What do you see?
9. According to your circle graph, which color do you use the most?
10. According to your circle graph, which color did you use the least?
11. Choose a game form **Math 2 — Addition!**

Day 135*
1. *Make your own **bar graph**.
2. Decide what it is going to show. (What vegetables and how many of each are in your house? You can decide.)
3. Write a title at the top.
4. Label the side—it will be the number of whatever you are counting.
5. Label the bottom — it will be the things you are counting.
6. Fill in the blocks.
7. Explain to someone what your graph shows.
8. **Math 2 — Subtraction!**

Fractions

Day 136  (Materials: piece of plain paper, a crayon or marker)
1. Read the fraction story and answer the questions.
2. Design a flag that is half white and half filled with color. Fold a piece of paper in half to make the two parts and then color in the correct amount. Have someone older check your picture.
3. Choose a game form Math 2 — Addition!

**Day 137** *(Materials: piece of plain paper, crayon(s) or markers)*
1. Read about \( \frac{1}{4}, \frac{1}{2} \) and \( \frac{3}{4} \) and then scroll down and click on start and do the exercise.
2. Design a flag that is one quarter (\( \frac{1}{4} \)) white and three quarters (\( \frac{3}{4} \)) filled in with color. Have someone older check your picture. (To get four parts you need to fold a piece of paper in half and then in half the other way.)
3. Math 2 — Subtraction!

**Day 138** *(Materials: a plain piece of paper, crayon(s) or markers)*
1. Read the fraction story and answer the questions.
2. Design a flag that is one third (\( \frac{1}{3} \)) white and two thirds (\( \frac{2}{3} \)) filled in with color. Have someone older check your flag. You might want to ask for help folding a piece of paper into thirds to make this flag.
3. Choose a game form Math 2 — Addition!

**Day 139**
1. Jump across the river.
2. Math 2 — Subtraction!

**Day 140**
1. Cross the River.
2. Choose a game form Math 2 — Addition!

**Day 141***
1. *Complete the fraction worksheet. The first answer is three fifths, \( \frac{3}{5} \), because three of the five fish are shaded in (dark colored).
2. Check your answers.
3. Math 2 — Subtraction!

**Day 142**
1. Match the fractions. The bottom number is how many pieces are in the pie. The top number is how many are shaded in (the white pieces).
2. Choose a game form Math 2 — Addition!

**Day 143***
1. *Complete the fraction worksheet. Check your answers.
2. Math 2 — Subtraction!

**Day 144**
1. Match the fractions with their names. (four fifths is \( \frac{4}{5} \))
2. Choose a game form Math 2 — Addition!
Day 145*
1. *Complete the fraction worksheet. Check your answers.
2. Choose a game from Math 2 — Subtraction!

Measurements

Day 146
1. Read the centimeter ruler. Only whole centimeters are marked. You are measuring the red line.
2. This ruler looks different. It’s is still a centimeter ruler. The centimeters are marked with a longer line and the number to the left of it. In the middle of each centimeter is a shorter line. That’s halfway between. That’s a half a centimeter from the last marker. If the red line stops at a middle line, then the length is the number of centimeters before it plus one half. If the red line stopped at a half a centimeter more than three, then the answer would be 3.50. (It’s kind of like $0.50 is halfway to a dollar. $3.50 is halfway between $3 and $4.)
3. Choose a game from Math 2 — Addition!

Day 147
1. Now let’s try it with an inch ruler. Measure the red line.
2. Now try the harder version! Look carefully at this inch ruler. Each inch has 4 lines. The inch marker has the longest line with the number next to it on the left. The middle line is the next longest. That marks half an inch. The other two lines on either side mark a quarter of an inch, 1 out of 4 parts of the inch or 1/4th, or one quarter. If the red line stops at the third line on the inch, then that is 3/4 ths of an inch. Give it a try.
3. Choose a game from Math 2 — Subtraction!

Day 148
1. Measure how far ant needs to go to get to his picnic. Click on the circles. Then use the ruler (you can turn it sideways) to measure how far he needs to go. Enter the number and click on go.
2. Choose a game from Math 2 — Addition!

Day 149
1. Now you are going to read a different kind of ruler, a thermometer.
2. This is a Fahrenheit thermometer. In America we mostly measure lengths by inches and temperature by degrees Fahrenheit. The rest of the world measures length by centimeters and degrees by Celsius. On the thermometer the lines that go all the way across are counting by tens. Those lines are numbered. The half lines in between are counting by fives. So the line half way between 10 and 20 is 15. Click on the right answer and choose submit.
3. Choose a game from Math 2 — Subtraction!

Day 150
1. You saw this in level 1. Do you remember this thermometer? Slide the bar up and down to see what the temperatures mean. You can also see the temperatures in both Celsius and Fahrenheit.
2. Now you are going to **estimate the temperature**. That means you are going to make a good guess about what temperature it is in each scene described. (It will tell you how.)

3. Choose a game form **Math 2 — Addition!**

**Day 151***
1. *Review graphs. Fill in the graph and answer the questions.
2. Check your answers.
3. Choose a game from **Math 2 — Subtraction!**

**Day 152**
1. Review **coins**.
2. **Buy the item**.
3. Choose a game form **Math 2 — Addition!**

**Day 153**
1. Review **measuring with a ruler**. You can choose between easy and medium. Medium will have some halves. Halfway between 1 and 2 is 1.50.
2. **What time is it?** Can you tell time to the quarter hour? Shoot the time that matches the clock.
3. Choose a game from **Math 2 — Subtraction!**

**Day 154**
1. Do you know how much you weigh? If you are American, you weigh yourself in pounds. When you were born, they told your parents your weight in pounds and ounces.
   - a new baby weighs around 7 pounds
   - a cup of milk weighs about 8 ounces
   - a BIG block of cheese might weigh 1 pound
   - a slice of bread might weigh 1 ounce
2. Try and figure out if these things should be weighed in **ounces or pounds**.
3. Choose a game from **Math 2 — Addition!**

**Day 155***
1. *Complete the review page for today.
2. Check your answers.

**Day 156***
1. *Turn on your thinking cap and complete today's worksheet.
2. Check your answers.

**Adding and Subtracting Tens and Ones**

**Day 157**
1. Make a picture of the number 16 on paper.
2. Draw a box. Draw ten small circles inside of the box. That's a group of ten. You have one ten.
3. How many more circles do you need to draw to have 16 circles?
   - Draw six circles.
4. You have 1 ten and 6 ones.
5. Now make a picture of the number 23. You need two tens, or two boxes, each with ten circles.
   - Make two tens and then draw three more circles to make 23.
   - You have 2 tens and 3 ones.
6. Count the tens and ones. Choose numbers up to 59. The blue blocks are in groups of ten.
   Each tower of blue blocks is 1 ten. You count them 10, 20, 30...

**Day 158**
1. Count the objects. Count the number of lines of tens. Then count the ones.
2. Count the tens and then the ones.

**Day 159**
1. Write the number. Choose the right number of tens. Then choose the right number of ones.
2. “Write the value of the tens and ones. For example, in 24 the 4’s value is just 4 (picture 4 blocks), but the 2 is really 2 tens which is 20 (blocks). If the problem underlined the 2, you would write 20. An easier way to do it is to read the number out loud. We say TWENTY – four. The 2 isn’t just a 2, it’s twenty.”

**Day 160**
1. Today we are going to separate tens and ones into addition problems. Here are some examples.
   - \(11 = 10 + 1\) It’s just like counting the groups of ten first and then adding on how many ones are left.
   - \(17 = 10 + 7\) Seventeen is one ten and seven ones.
   - \(25 = 20 + 5\) The number twenty-five is two groups of ten (20) and five more ones.
   - \(34 = 30 + 4\)
   - \(75 = 70 + 5\)
   - \(81 = 80 + 1\)
2. *Do you think you could do it? Complete the worksheet on tens and ones in expanded form.
3. Check your answers.

**Day 161**
1. Watch this presentation on subtracting tens. It will play automatically. You don’t need to turn the pages. It will talk to you too, so make sure you have the volume on.
2. Go to this page and follow my instructions.
3. Drag a stack of ten blocks onto the board. It should say 10. Do you see it?
4. Drag more stacks of ten blocks onto the board and watch the number change. You are adding tens.
5. Now take the ten stacks away, one at a time, and watch the number change. You are subtracting tens.
6. Now you can play around with it if you like.

**Day 162**
1. *Complete the worksheet on adding and subtracting tens. Check your answers.

**Day 163**
1. Add ten to sink the subs.

Day 164
1. Play fruit splat. Choose level 3 and try adding tens.

Day 165
1. Play fruit splat. This time subtract tens.

Day 166*
1. When you add ten to a number, you just have to add 1 to the number in the tens spot.
2. Watch this presentation on adding tens. It will play automatically and talk to you.
   • 40 + 10 = 50 You start with 4 tens. That’s 40. Then you add 1 ten. 4 tens + 1 ten = 5 tens. 5 tens is 50.
   • 35 + 10 = 45 The number 35 has 3 tens. Then you add 1 ten. 3 tens + 1 ten = 4 tens. The ones stay the same. We added nothing to the ones, so the answer is 45.
3. *Give it a try. Complete the worksheet on adding tens. Check your answers.

Day 167*
1. *Do your review worksheet. Check your answers.

Day 168*
1. Watch this presentation on subtracting tens.
2. *Complete the worksheet on subtracting tens. It’s what you did yesterday. Here are some examples.
   • 20 – 10 = 10 (2 tens – 1 ten = 1 ten)
   • 23 – 10 = 13 (2 tens – 1 ten = 1 ten You aren’t taking away any ones, so that number stays the same.)
   • 47 – 10 = 37
   • 50 – 20 = 30 (5 tens – 2 tens = 3 tens)
   • 56 – 20 = 36 (5 tens – 2 tens = 3 tens You aren’t taking away any ones, so that number stays the same.)
3. Check your answers.

Day 169*
1. *Look at your worksheet for today. It’s only adding but it uses bigger numbers. It’s the same thing, though. You can do it. Let’s look at a couple of examples before you start.
   • 40 + 80 = ? 4 tens + 8 tens =?
   • What is 4 plus 8? (answer: )
   • So the answer is 12 tens. How do you write that?
   • Well, how do you write 6 tens? You add a zero and write 60.
   • How do you write 4 tens? You add a zero and write 40.
   • How do you write 12 tens? You add a zero and write 120.
   • Let’s try one more. 90 + 50 = ?
   • 9 tens plus 5 tens
   • 9 + 5 = 14
   • 14 tens is 140
   • 90 + 50 = 140
2. Check your answers.
Day 170*
1. *Complete the subtraction worksheet. It’s just like Day 169 but with subtraction. Here’s one example.
   - 130 – 80 = ?
   - 13 tens – 8 tens = ?
   - 13 – 8 = 5
   - 13 tens – 8 tens = 5 tens
   - 130 – 80 = 50
2. Check your answers.

Day 171*
1. Watch this presentation on subtracting tens and ones.
3. Sometimes there is no ten in the bottom number, so you only need to subtract the ones.
4. Here is an example.
5. 46 – 3 = ?
6. 6 ones – 3 ones = 3 ones
7. You aren’t taking away any tens, so there are still 4 tens.
8. The answer is 4 tens and 3 ones or 43.
10. Check your answers.

Day 172*
1. Watch this presentation on adding tens and ones.
2. And with adding nothing in the tens?
3. 46 + 2 = ?
4. 6 ones + 2 ones = 8 ones
5. 4 tens + no more tens = 4 tens
6. The answer is 4 tens and 8 ones. That’s 48.
7. 46 + 2 = 48
8. Complete the worksheet on adding tens and ones.
9. Check your answers.

Day 173*
1. Complete your worksheet for today. You need to pay attention! Some are + and some are -. If you don’t pay attention, you will get some wrong. Make sure you subtract when it says minus. Make sure you add when it says plus.
2. Check your answers.

Day 174
1. We’re going to try one more thing before the end of the year. You are almost there!
2. Watch this presentation on adding tens and ones.
3. Watch this video on adding this way. Stop around 5:40 when it says “to stop and work on your worksheet.” (You don’t have a worksheet!)

Day 175*
1. Watch this video on regrouping and carrying the 1 to the tens column.
2. *Then complete this worksheet on adding with regrouping.
3. Check your answers.

Day 176*
1. Watch this video on carrying the 1 to the tens column.
2. *Then complete this worksheet on adding two-digit numbers with regrouping. Add the ones. Add the tens. Add the extra one if it is there.
3. Check your answers.

Day 177* (Portfolio time: Save a worksheet from this week for your portfolio.)
1. *Complete this worksheet of addition word problems with bigger numbers. You know how to add them!
2. Check your answers.

Day 178*
1. Re-watch one of the videos from day 174, 175 or 176.
2. *Complete this worksheet on two-digit addition.
3. Check your answers.

Day 179*
1. *Complete this worksheet of subtraction word problems.
2. Check your answers.

Day 180
1. Play Connect Four. You have to get four of your color in a row. It can be up and down, across or diagonal.

Congratulations on finishing second level math!

Summer School
1. Learn those facts. You could use our facts practice workbooks or make a free account at xtramath.org and make a free account. Use it every day until you finish addition and subtraction. Make sure you know those facts. (Parents: If this isn’t coming easily for your child, you can slow it down. Click on parent/teacher and log in. Choose the child's tab. Choose Change Program. Choose 6 second addition. When it’s mastered, you can change to subtraction, etc.)
2. Then use the math game page to practice and not forget. Use the level 2 games.