

Entering 3rd Grade Summer Math Work



WCS

Name: _____

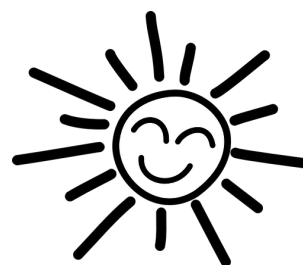
Dear Families,

It is so important for children to keep learning over the summer! Research shows that students can lose up to 2.6 months of math learning during the summer months. Research also shows that just 2 hours of work each week in math can help prevent this summer learning loss. This year because of the abnormal school year, it is incredibly important that students complete their summer math work. This will also be your child's first math grade of the year and you will need to send it to school when we return in the fall.

In this packet, you will find 10 weeks of work, about 2 hours of work each week. We suggest you create a schedule that works for your family each week. Maybe you spend 15-30 minutes in the mornings working on this math work each day or maybe your child completes it all on Sunday evenings-- whatever works for you. Please do try to spread it over 10 weeks- don't try to do it all the last week of summer!

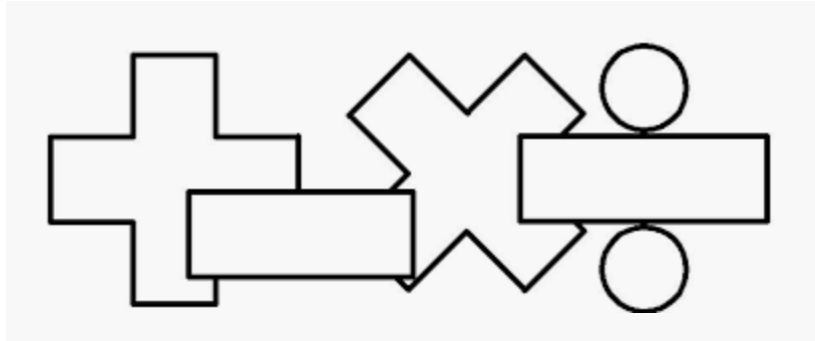
Directions are on the following page. If you have any questions, please reach out to Donna Green, our math coordinator at d.green@wissahickoncharter.org.

Happy summer!



Directions

1. Read the student and family page each week.
2. Complete 6 lessons on [Dreambox](#).
3. Try the activity of the week.
4. Complete the math pages.



New 3rd graders should..	Families should...
<ul style="list-style-type: none"><input type="checkbox"/> Do dreambox each week. Make sure you do 6 lessons. It won't count unless you finish the lesson (fill up that green bar on the bottom!) Remember your new teacher can check that you are completing dreambox lessons!<input type="checkbox"/> Talk to your family about completing the activity of the week. Write or draw about what you did.<input type="checkbox"/> Do your math pages each week. Make sure you show your work!	<ul style="list-style-type: none"><input type="checkbox"/> Ensure your child can log in to dreambox. Remember, dreambox should be done totally independently (so you can go get some rest or work done while your child plays!)<input type="checkbox"/> Talk to your child about the math they are doing. There are questions you can ask on the family instruction page and activities to do together as a family.<input type="checkbox"/> Reach out to Ms. Melissa with any questions!

Week 1

I can... add and subtract fluently within 20.



For Families

Understanding the math: In first and second grade, students spent a lot of time learning different strategies to add and subtract. You may be thinking, why not just memorize the facts? The different strategies they learned actually help students develop fluency and memorize their math facts. They also teach number sense, which will help greatly when students continue to grow into more challenging math. As they enter 3rd grade though, they should begin to have many of their facts memorized. Work this summer on helping your child learn all their addition and subtraction facts!

Resources:

-Your child practiced adding using a number rack. Here is a digital one: <https://apps.mathlearningcenter.org/number-rack/> Have your child use it to build any of the problems you are working on by sliding the amount over from left to right.

-You also can have your child memorize their facts using online flashcards: <https://toytheater.com/math-test/> Just select 1-19 and addition or subtraction.

Questions to Ask Your Child :

-How did you solve that problem?

-Can you build ____ on the number rack?

-Can you use a fact you already know to help you?

-How could you use an addition fact you know to help with this subtraction problem?

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week

Make your own flash cards! All you need is paper cut into rectangles. Write all the addition and subtraction facts you can with the solution on the back. Practice in the car, on the bus, when you're bored-- whenever! Try to add more facts once you learn all the ones you have. Write a list below of some of the facts you have memorized!

--

1 Fill in the blanks.

$10 + \underline{\quad} = 14$

$10 + 9 = \underline{\quad}$

$0 + 10 = \underline{\quad}$

$\underline{\quad} + 10 = 17$

$10 + 5 = \underline{\quad}$

$10 + \underline{\quad} = 16$

$10 + \underline{\quad} = 11$

$\underline{\quad} + 10 = 18$

$10 + 2 = \underline{\quad}$

$3 + 10 = \underline{\quad}$

$9 + 10 = \underline{\quad}$

$2 + \underline{\quad} = 12$

$5 + \underline{\quad} = 15$

$10 + 6 = \underline{\quad}$

$3 + \underline{\quad} = 13$

1 Solve as many of these addition combinations as you can in two minutes.

$$\begin{array}{r} 10 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 9 \\ \hline \end{array}$$

Solve the problems.

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 0 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$6 - 5 = \underline{\quad}$$

$$6 - 3 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

$$8 - 7 = \underline{\quad}$$

$$9 - 3 = \underline{\quad}$$

$$8 - 2 = \underline{\quad}$$

$$6 - 1 = \underline{\quad}$$

$$7 - 7 = \underline{\quad}$$

Solve the following subtraction facts using the Up to Ten strategy or another strategy (other than counting backward) that works for you.

$$\begin{array}{r} 13 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$$

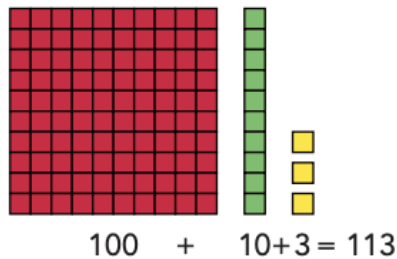
$$\begin{array}{r} 15 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 8 \\ \hline \end{array}$$

Week 2

I can... tell how many 100s, 10s, and 1s make a number.



For Families

Understanding the math: Place value means understanding numbers in our “base ten” system which means numbers are made up of groups of 10s. 7 tens is 70, 10 hundreds is 1,000, 10 hundred-thousands is a million! When students can name how many 100s, 10s and 1s in a number they develop a deeper understanding of our number system and can use those skills to add and subtract. Understanding place value also will help students understand decimals, multiplication and exponents, just to name a few things!

Resources:

-Your child frequently worked with place value blocks this year (premade objects that show groups of 1s, 10s, and 100s.) You can use a digital version at: <https://apps.mathlearningcenter.org/number-pieces/> Try clicking the red, yellow, and green squares at the bottom left and then have your child build different numbers!

Questions to Ask Your Child :

-How many bundles of 10 are in 64? What if I added another bundle of ten? What if I took 2 bundles away?
-How many 100s are in 830?
-How many 10s make 100?
-Can you write a number sentence to show 273? (200 + 70 + 3)

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week

Go on a big number hunt! Find two big numbers in your house or your neighborhood. Try to figure out how many 100s, 10s, and 1s are in that number. Draw or write what you found and how many 100s, 10s and 1s.

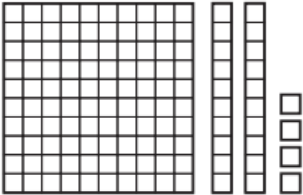
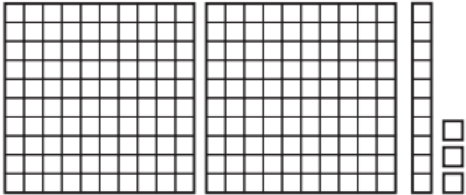
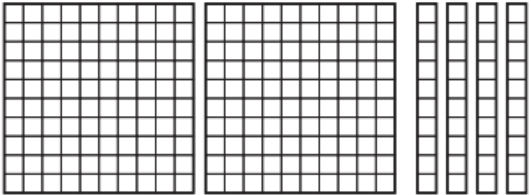
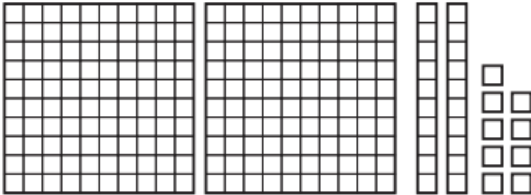
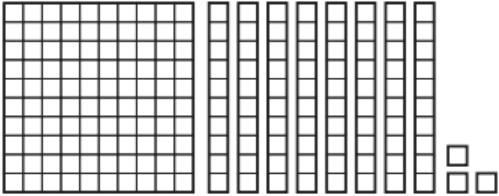
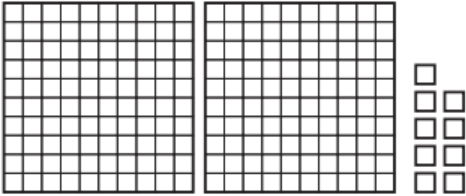
Ex: I found a puzzle that had 750 pieces. There are 7 hundreds, 5 tens, and 0 ones in 750.

- 1** Count to find out which set of base ten pieces in each pair is greater and which is less. Write numbers and signs to show.

< less than

= equal to

> greater than

ex	 <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="text-align: center;"> _____ 124 </div> <div style="text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px; display: flex; align-items: center; justify-content: center;"> < </div> </div> <div style="text-align: center;"> _____ 213 </div> </div>	
a	 <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="text-align: center;"> _____ _____ </div> <div style="text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div> </div> <div style="text-align: center;"> _____ _____ </div> </div>	
b	 <div style="display: flex; justify-content: center; align-items: center; gap: 20px;"> <div style="text-align: center;"> _____ _____ </div> <div style="text-align: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 40px; height: 40px;"></div> </div> <div style="text-align: center;"> _____ _____ </div> </div>	

- 2** Read the numbers in the box. Then write them in order on the lines from least to greatest.

261	107	67	113	204
-----	-----	----	-----	-----

_____ , _____ , _____ , _____ , _____
 least greatest

3 Read each number. Then write it in expanded form.

ex three hundred twenty-nine $329 = 300 + 20 + 9$	a four hundred thirty-eight
b two hundred sixteen	c five hundred seventy-three
d one hundred ninety-eight	e six hundred three
f nine hundred sixty-seven	g eight hundred seventeen

4 Find the sum.

$300 + 60 + 5 = \underline{\quad}$

$500 + 40 + 5 = \underline{\quad}$

$200 + 10 + 6 = \underline{\quad}$

$400 + 90 + 9 = \underline{\quad}$

$100 + 10 + 8 = \underline{\quad}$

$600 + 7 = \underline{\quad}$

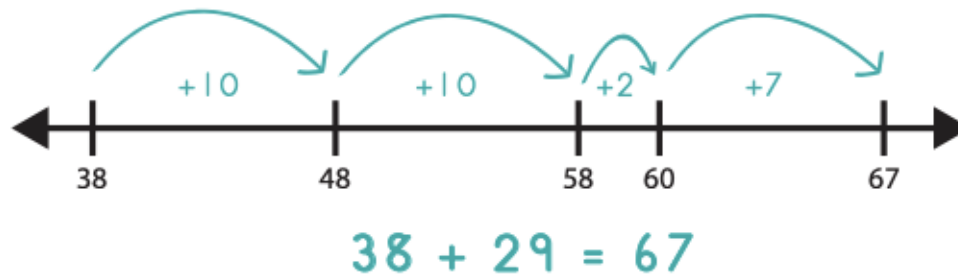
300	400	600	800	700	100	900
40	20	30	70	80	10	30
<u>+ 5</u>	<u>+ 6</u>	<u>+ 7</u>	<u>+ 8</u>	<u>+ 9</u>	<u>+ 5</u>	<u>+ 6</u>

5 Circle one.

a The 4 in 574 is in the	ones place	tens place	hundreds place
b The 4 in 493 is in the	ones place	tens place	hundreds place
c The 4 in 114 is in the	ones place	tens place	hundreds place
d The 4 in 5,348 is in the	ones place	tens place	hundreds place

Week 3

I can... add using a number line



For Families

Understanding the math: Students spent a large portion of second grade adding using a number line. They worked on starting at one number and making jumps of 100s, 10s, and 1s to add the other number. Encourage your child to make jumps of friendly numbers and to friendly numbers. So when adding $38+29$ like the example above, They may start at 38 then add 20 by making two jumps of 10 to land on 58. Then they can make a jump of 2 to a friendly number-60. So far they have jumped 22, so they still need to jump 7 more. 60 plus a jump of 7 is easy- it is 67. They could have also taken 3 jumps of 10 to equal 30, landing on 68. Then they could jump back 1 to have only jumped 29. They still would have landed on the total, 67.

Resources:

-Here is a digital number line for your child to use
<https://apps.mathlearningcenter.org/number-line/>
-Try adding numbers yourself on the number line! You may find that you actually mentally often use strategies you would use if drawing jumps on a number line.

Questions to Ask Your Child :

-What will you jump first? Why?
-Can you jump to a friendly number?
-Is there another way you could jump on the number line?
-Where would you land if you added ten? 20? 30?

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

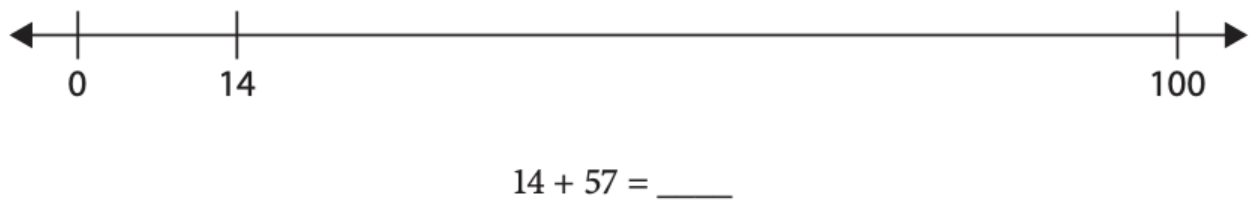
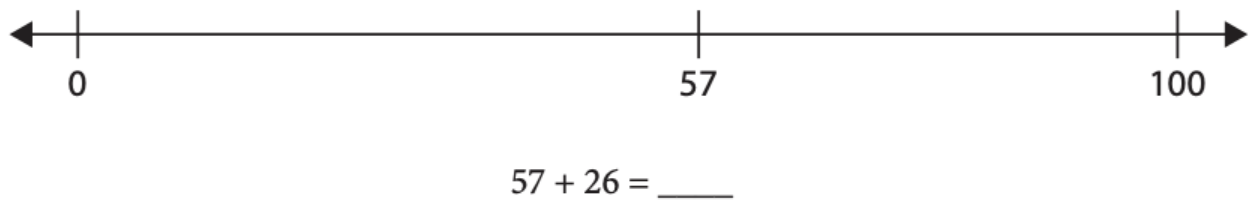
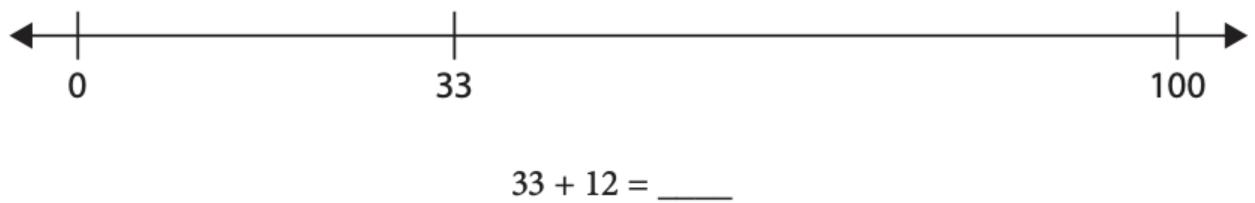
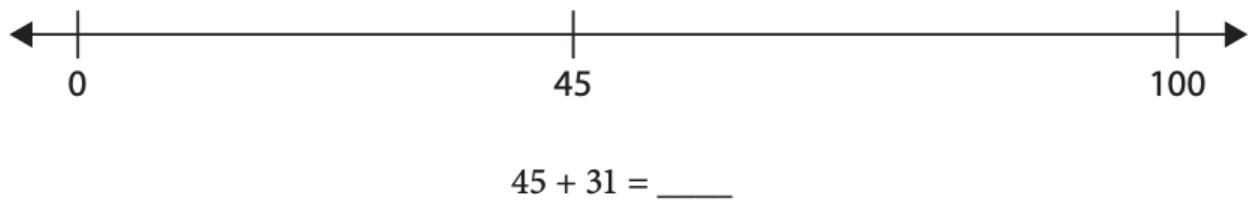
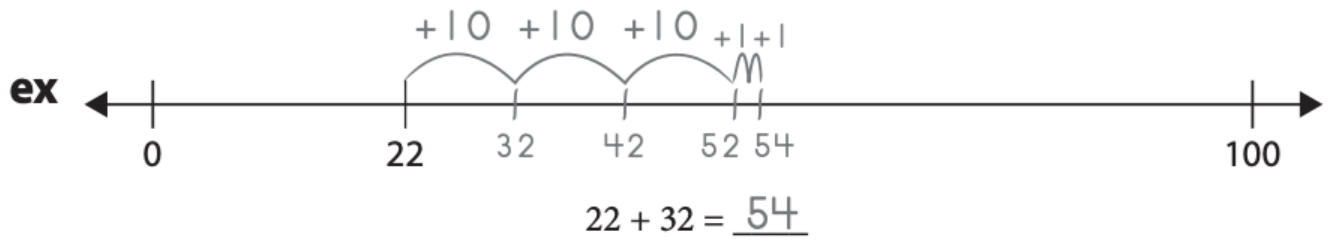
Date	Lessons Completed	Signature

Activity of the Week

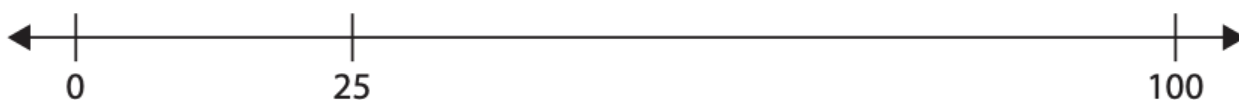
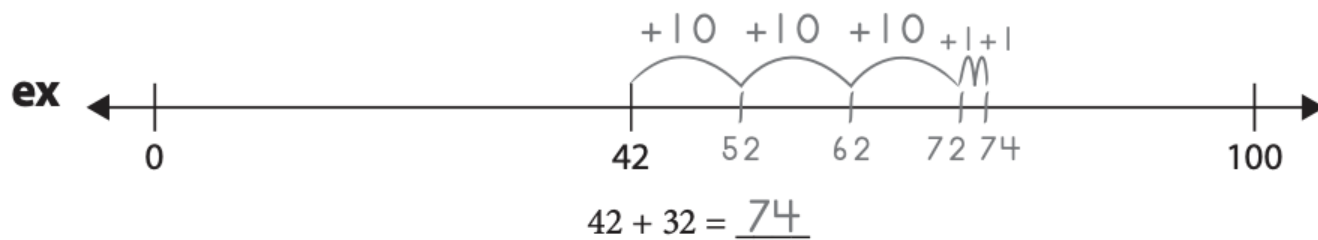
Create a giant number line on the ground! You can use sidewalk chalk, a string, or just a straight line. Use big jumps to represent hops of 10 and small steps to represent hops of one. Solve $252+23$ on your giant number line. Write what you did. Then try to have your family tell you other problems to solve!

EX: If I solve $252+11$, I would pretend that the beginning of my number line was 252. To first add 20 to 252, I would take two big jumps, landing on 262 and 272. Then, I would take three small steps to represent adding 3. I landed at 275.

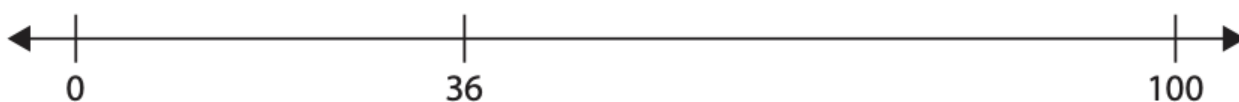
Use jumps of 10 and hops of 1 to solve the addition problems.



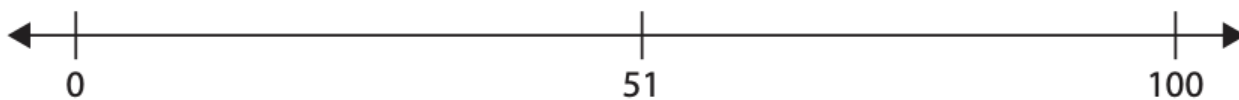
Use jumps of 10 and hops of 1 to solve the addition problems.



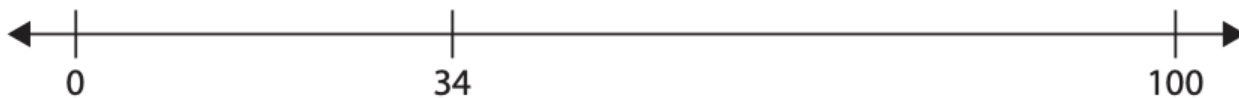
$$25 + 21 = \underline{\quad}$$



$$36 + 21 = \underline{\quad}$$



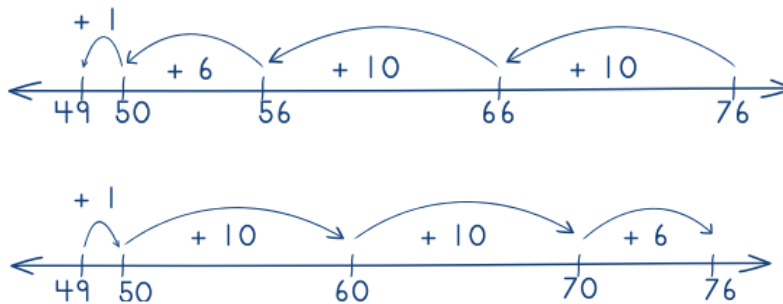
$$51 + 35 = \underline{\quad}$$



$$34 + 42 = \underline{\quad}$$

Week 4

I can... subtract using a number line.



For Families

Understanding the math: In second grade, students learned two ways to subtract on a number line (see above). Either by making jumps backwards or by putting their starting number and ending number and counting the jumps in between. Either strategy is acceptable. You may be thinking, why not just teach them the way I learned?? Often when we just teach the standard addition and subtraction methods, students don't actually understand what they are doing. They may know they need to "borrow" but don't know what this means. Just teaching the standard way often leads to mistakes and frustration and does not teach students number sense. Using a number line helps students visualize numbers and their relationships. It also helps them learn mental math strategies. Once they are very comfortable with the number line, we will teach them the standard methods!

Resources:

-Here is a digital number line for your child to use
<https://apps.mathlearningcenter.org/number-line/>

Questions to Ask Your Child :

- Can you try jumping backwards by 10s?
- Where will you start? Why?
- Can you count your jumps to find the difference?
- Is there another way you could have jumped?

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

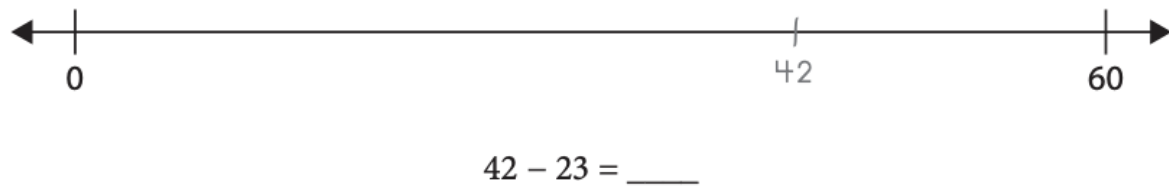
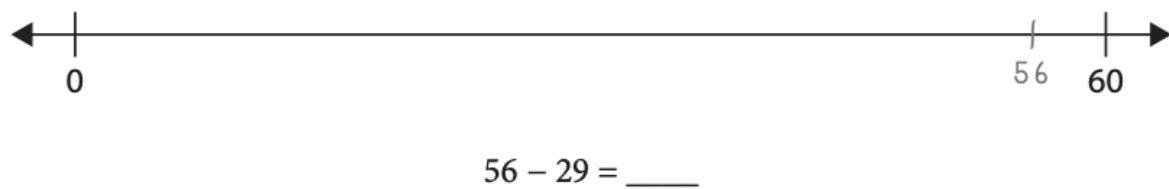
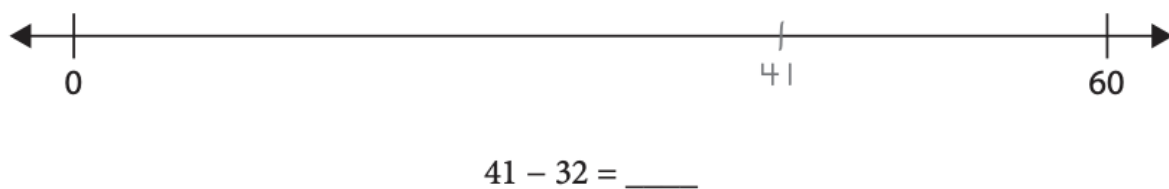
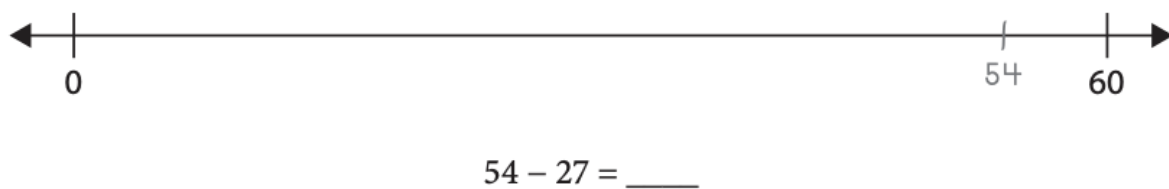
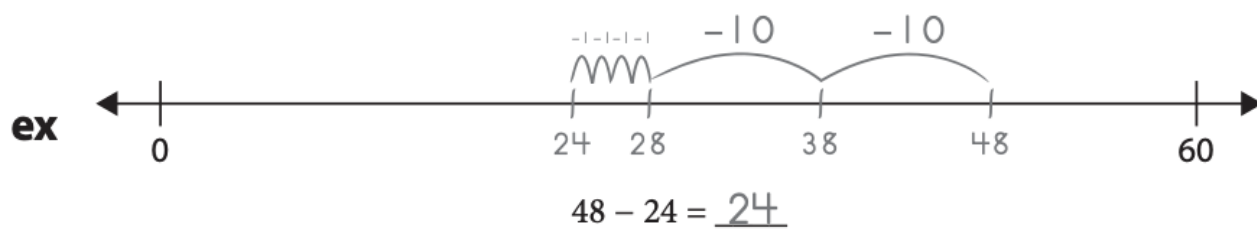
Date	Lessons Completed	Signature

Activity of the Week

Write a story problem that uses subtraction. Solve your story problem on a number line!

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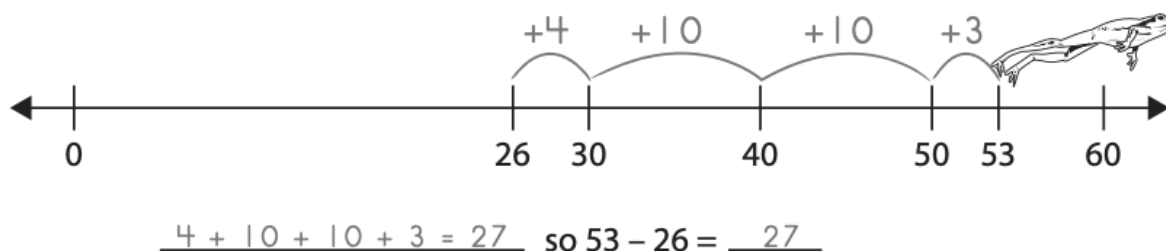
Use backward jumps of 10 and hops of 1 to solve each of the subtraction problems.



DJ Hopper makes hops on the number line to solve 2-digit subtraction problems. Here's how he solved $53 - 26$.

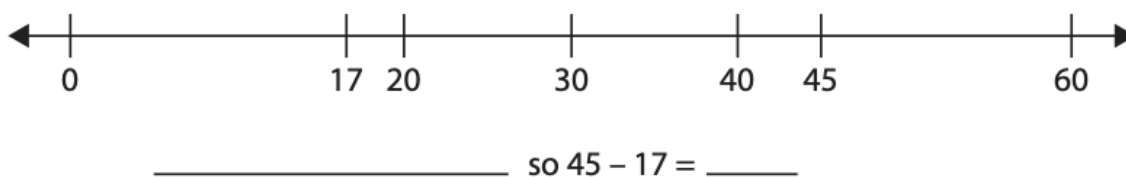
- Start at 26.
- Hop up to 30.
- Now hop up to 50.
- Then hop up to 53 and add up all your hops. That tells how far it is from 26 to 53.

ex $53 - 26$

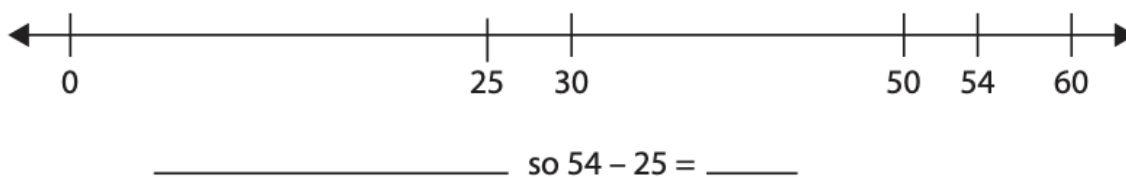


1 Try DJ's number line strategy to solve these subtraction problems.

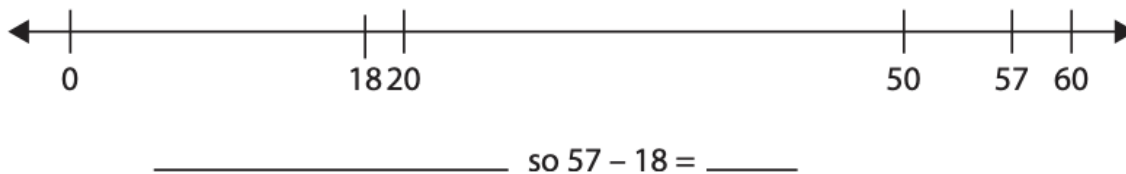
a $45 - 17$



b $54 - 25$

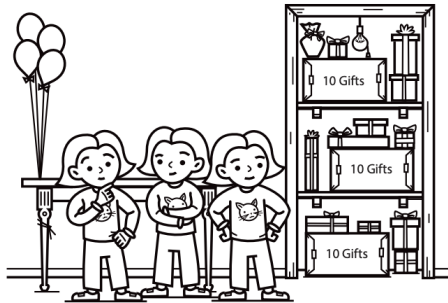


c $57 - 18$



Week 5

I can... write and solve addition and subtraction story problems.



For Families

Understanding the math: Word problems can be particularly challenging for any age student! One of the best ways you can help your child with word problems is by helping them visualize the problem. There are lots of ways to do this. You can physically act out the problem together. You can use a tool like a number rack or counters. You can also have them draw a picture of what is happening. Once they can clearly visualize the problem, they can then focus on the math to solve it! By third grade, they should always be writing an equation to match their problem and labeling their answer (so it shouldn't just be 12, it should be 12 **books** or whatever the question is asking about.)

Resources:

-Using the number line and place value blocks will again be very helpful with word problems. Students can build what is happening in the story problems. Here are the digital ones:
<https://apps.mathlearningcenter.org/number-line/>
<https://apps.mathlearningcenter.org/number-pieces/>

Questions to Ask Your Child :

- What do you know in this problem?
- Can you act out what is happening? Can you draw it?
- Can you write a number sentence to match this problem?
- What operation do you need to do to solve this problem?

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week

Write an addition story problem that has to do with summer. Remember story problems have questions! Don't forget to solve your problem.

--

Solve each problem using one of the strategies on the class charts.

- Show all of your work.
- Write the answer on the line.
- Tell which strategy you used to solve the problem.

- 1** The Ants' Toy Store decided to start selling toy trains. On Monday, the store received 175 train cars. On Wednesday, a truck delivered 216 more train cars. How many train cars does the store have in all?

The store has _____ train cars.

The name of the strategy I used is _____.

- 2** One morning the store sold 148 kites. The toy store had 262 kites. How many kites did the store have left after it sold the kites?

The store had _____ kites left after it sold the kites.

The name of the strategy I used is _____.

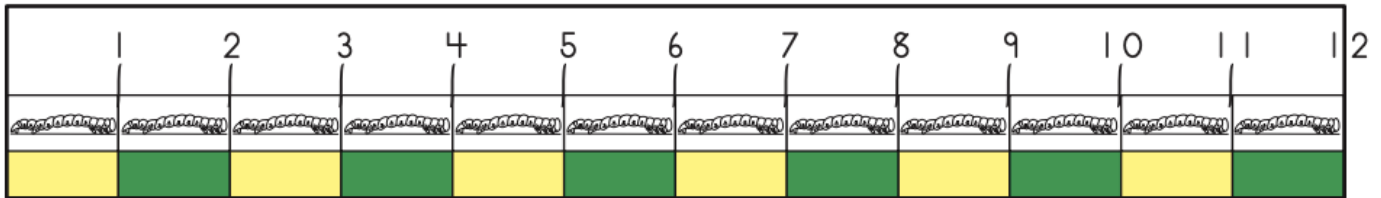
(continued on next page)

Fill in the blanks with words that make sense and seem interesting. Solve each problem.
Show your work.

Fill in the blanks.	Work Space
<p>4 Kendra has 57 _____ in her top drawer.</p> <p>She has 28 _____ in her bottom drawer.</p> <p>How many are there in all? _____</p>	
<p>5 Lin spent 39 dollars for a _____.</p> <p>He spent 18 dollars for a _____.</p> <p>How much did he spend in all? _____</p>	
<p>6 Akiko had 72 _____.</p> <p>She gave 26 of them to her friend.</p> <p>How many does she have left? _____</p>	
<p>7 Mr. Smith baked 48 _____.</p> <p>The dog ate 19 of them.</p> <p>How many are left? _____</p>	
<p>8 Frank saw 51 _____.</p> <p>Then 24 of them flew away.</p> <p>How many were left? _____</p>	

Week 6

I can... measure and estimate lengths, using an appropriate tool.



For Families

Understanding the math: Second graders spent a lot of time this year working on measurement. They learned about inches, yards, and feet as well as centimeters and meters and the relationship between each. They worked on measuring things but also estimating measurements. In addition they thought about what tools would be best to use for measuring different objects (you might use an ruler to measure a book, but it would be better to use a yardstick to measure the length of a classroom.) In third grade, they will work on other forms of measurement (weight, capacity, etc).

Resources:

-Talk about measurement! Any time you are measuring something, whether for length or another form of measurement (cups of flour for a recipe, the weight of your produce at the grocery store), include your child!
-Here is a virtual ruler:
<https://www.piliapp.com/actual-size/inch-ruler/>

Questions to Ask Your Child :

-What tool would you use to measure ____?
-About how many yards is ____?
-How many inches is ____? How do you know?
-Be sure your child is lining up their ruler with the end of the object- its a common mistake for students to line up the “1” on the ruler with the beginning of the object.

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week

Throughout this week, look for ways your family uses measurement (the kitchen is one place measurement is often used!). Write or draw about one way you found.

--

1 Lin wants to measure her pencil.

a Which measuring tool should she use?

- ☐ a measuring tape ☐ a yardstick ☐ an inchworm ruler

b Explain your answer. Why should she use the tool you chose?

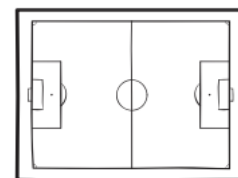


2 Matt wants to measure the soccer field in back of the school.

a Which measuring tool should he use?

- ☐ a measuring tape ☐ a yardstick ☐ an inchworm ruler

b Explain your answer. Why should he use the tool you chose?



3 Jeff measured the reading table in his classroom.

a Which one of these measurements most likely shows the length of the table?

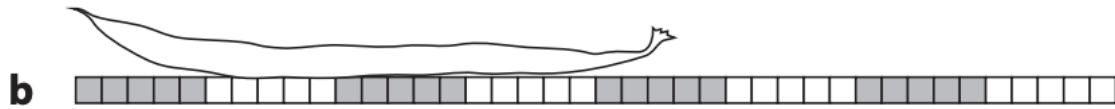
- ☐ 5 inches ☐ 5 feet ☐ 5 yards

b Explain your answer. Why did you choose the measurement you did?

1 How long are the beans?



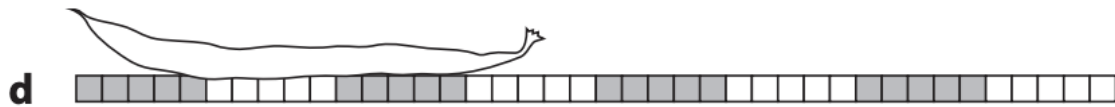
Gray bean: _____ squares



White bean: _____ squares

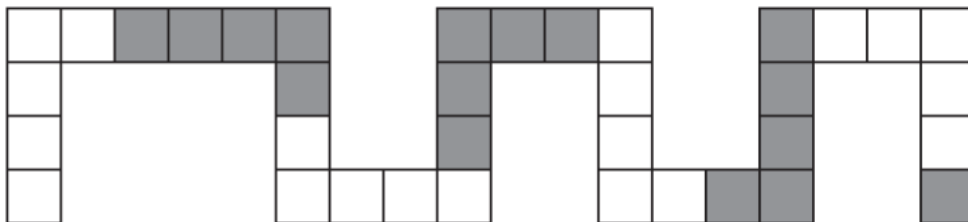


Gray bean: _____ squares



White bean: _____ squares

2 How many squares long is the snake?



The snake is _____ squares long.

Week 7

I can... add and subtract lengths.



For Families

Understanding the math: Students learned about length, addition, and subtraction this year. They combined all those skills to add and subtract lengths. There are many strategies students used to do this. They may add on a number line, make place value blocks, count by ones, or use the standard algorithm. All of these are acceptable strategies. Encourage your child to be flexible with the kinds of strategies they use- different problems are easier to complete using different strategies. If your child is always using one strategy, encourage them to try another! This will help develop flexible problem solving skills.

Resources:

-Online ruler:

<https://www.piliapp.com/actual-size/inch-ruler/>

-Online number line:

<https://apps.mathlearningcenter.org/number-line/>

-Online place value blocks:

<https://apps.mathlearningcenter.org/number-pieces/>

-All of the above tools are resources you should encourage your child to use to solve problems this week!

Questions to Ask Your Child :

-What strategy could you use to solve this problem? Is there another way you could do it?

-How did you know you needed to add for this problem?

-What will you do first (second, third..)?

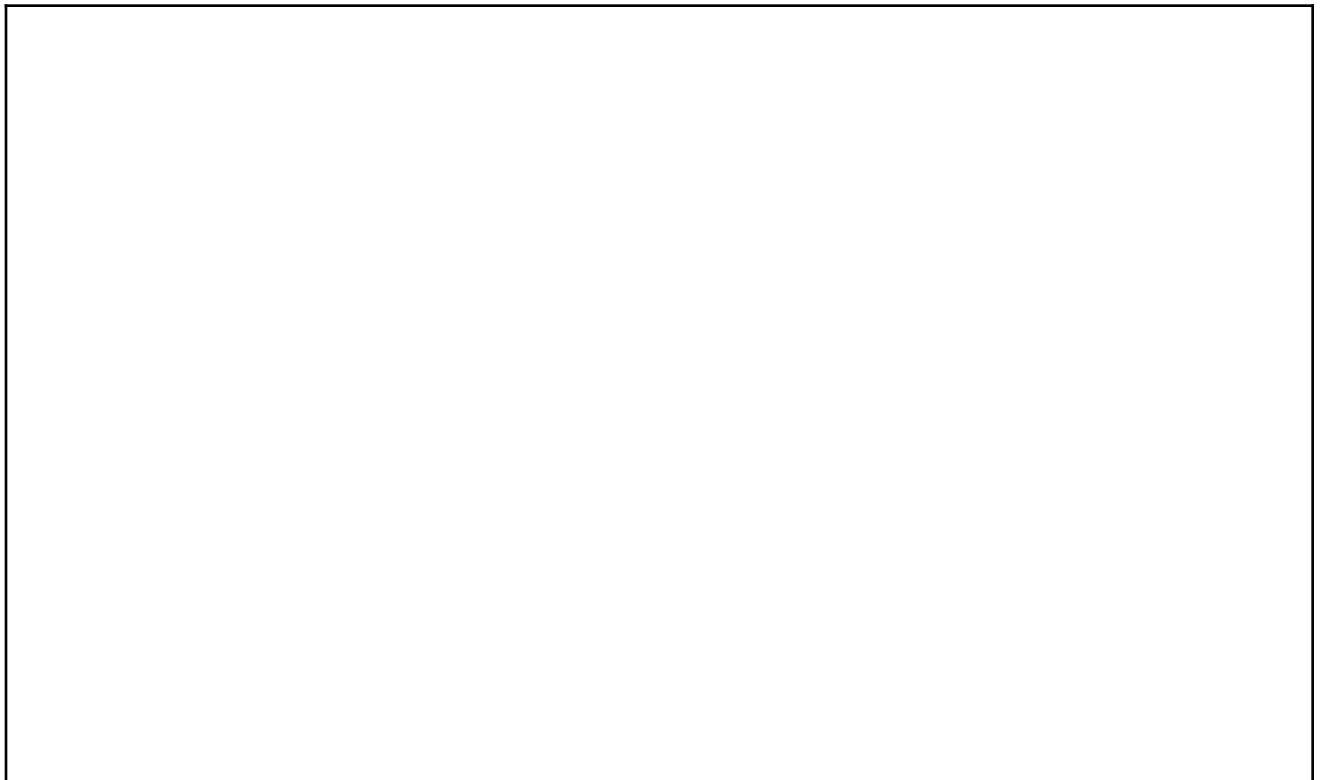
Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week

In the space below, design your dream bedroom. Label 5 objects with what they are and what you estimate their length to be in real life with the unit (inches, yards or feet). Remember what you know about measurement- a bed might not be 2 inches long, but could be two yards long and a big tv would not be 60 feet long, but could be 60 inches.



Jim's beanstalk was 100 feet tall. The giant cut off the top 25 feet. Then the giant cut off 10 more feet. How tall is the beanstalk now? Use numbers, pictures, and/or words to help solve the problem. Show your work. Write the answer on the line.

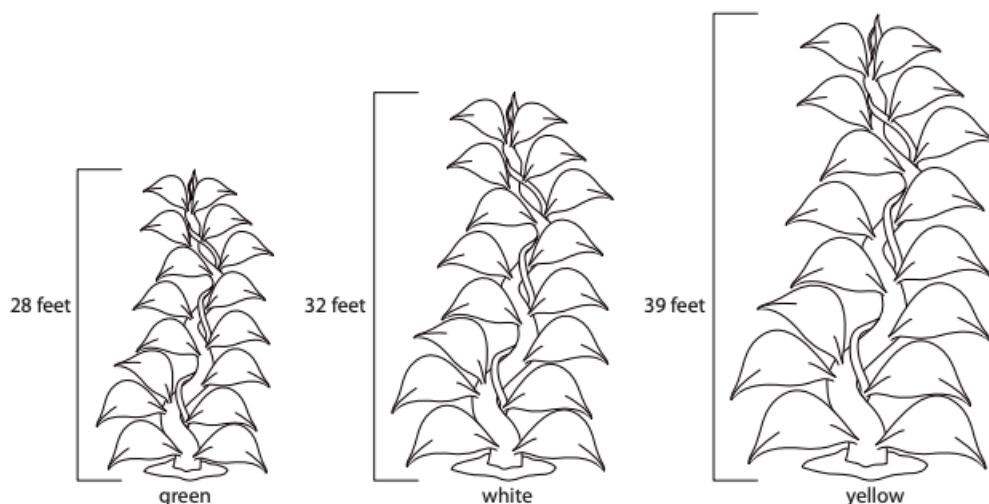


Jim's beanstalk is _____ feet tall now.

Rodney has a piece of rope that is 82 inches long. Simon has a piece of rope that is 27 inches long. How much longer is Rodney's piece of rope? Show all your work.

CHALLENGE Maria and Katy each have a piece of string. When they put the two pieces of string together end to end, the total length is 84 inches. Maria's string is 6 inches longer than Katy's. How long is Maria's piece of string? How long is Katy's piece of string? Show all your work. Use another piece of paper if you need to.

Jim has three new beanstalks in his garden. The green beanstalk is 28 feet tall. The white beanstalk is 32 feet tall. The yellow beanstalk is 39 feet tall.



- a** How much taller is the yellow beanstalk than the green beanstalk? Show your work.

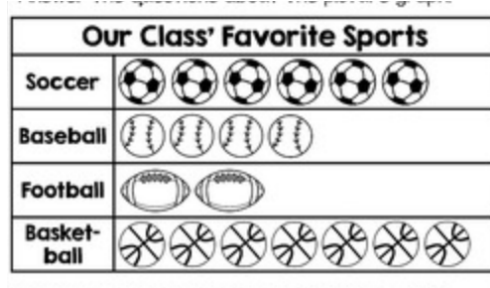
The yellow beanstalk is _____ feet taller than the green beanstalk.

- b** If Jim cut down all three beanstalks and laid them down on the ground end-to-end, how many feet long would they be in all? Show your work.

The three beanstalks would be _____ feet long if you laid them down on the ground end-to-end.

Week 8

I can... create and answer questions about graphs.



For Families

Understanding the math: In second grade your child learned about a few types of graphs: Picture graphs, like the one above, tally charts (with tally marks), and bar graphs (graphs with bars above or to the side of each option). Graphs help us organize our thinking, make conclusions, and show information. It is important for your child to be able to create and interpret graphs not just for their future math learning, but also as a skill they will use throughout their life. They will use graphs in science class, they will see graphs in their history textbooks, and they will see graphs in news stories. Being able to understand graphs is a lifelong skill!

Resources:

-Children love to ask questions and learn about their families. Help them to create graphs about what they learn. Here is a virtual graph making tool you can use: <https://toytheater.com/graph-color-bars/>

Questions to Ask Your Child :

-Which has the most? How do you know?
-How many votes does ____ have?
-How many more ____ than ____ are there?
-What is the total number of votes?

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week

Create a question survey with four answer choices for your family (for example, do what is your favorite color- red, blue, pink, or orange?). Try to ask 10 people. It's a great excuse to call family members! Make a graph of your survey below, coloring in the boxes for each answer. Then answer the questions.

Question: _____

Options	1	2	3	4	5	6	7	8	9	10

What option had the most votes? _____

What option had the least? _____

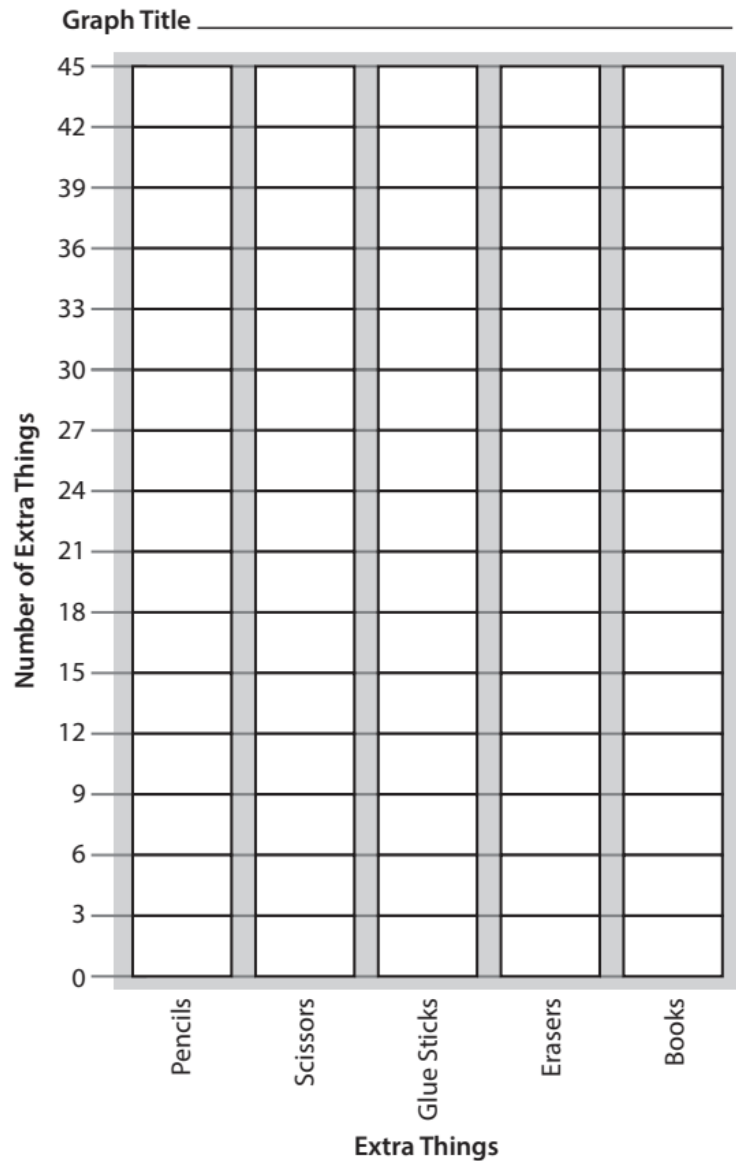
How many more people voted for the most option than the least? _____

- 1** Finish the graph on the right. Give it a title. Color in the columns to show what the kids found in their desks.

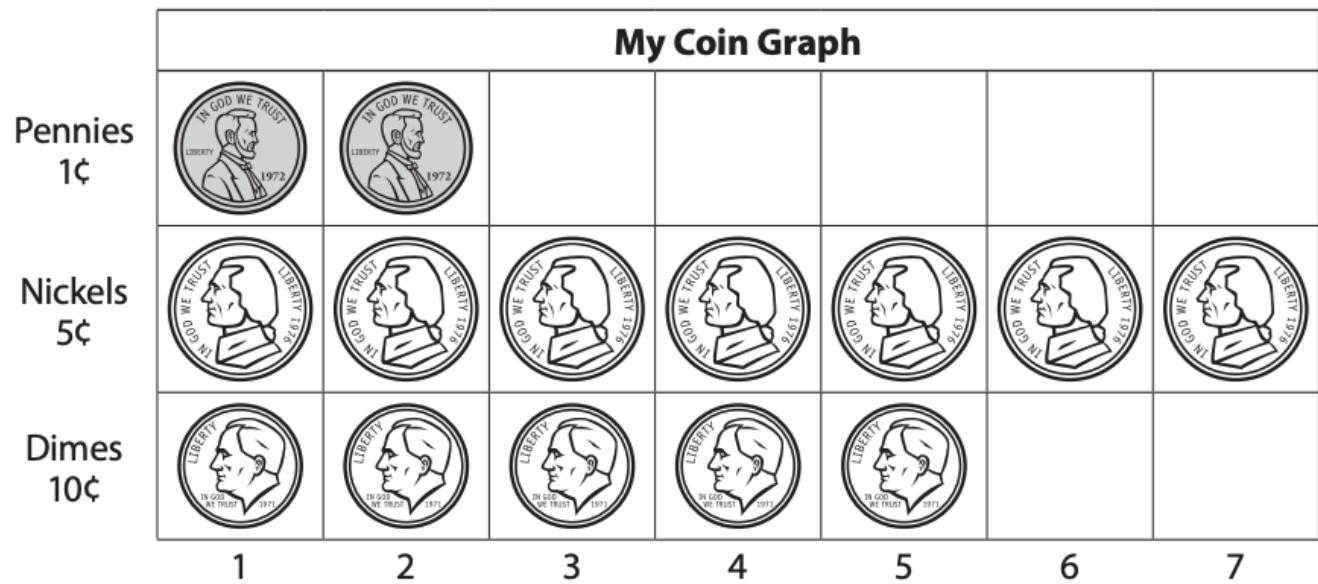
Number	Extra Things
44	Extra pencils
18	Extra pair of scissors
12	Extra glue sticks
15	Extra erasers
9	Overdue library books

- 2** How many more pencils than erasers did the kids find?
Show your work.

- 3** **CHALLENGE** How many extra things did they find in all?
Show your work.



Ella took all the coins out of her piggy bank. She made a graph about them.



6 Does Ella have more dimes or more pennies? _____

7 Which coin does Ella have the most of? _____

8 How many fewer dimes are there than nickels? _____

9 How much money does Ella have in her bank? _____

10 CHALLENGE Ella wants to buy a binder for \$1.00. How much more money does she need? Show your work.

Week 9

I can... I can tell time to the nearest 5 minutes.



For Families

Understanding the math: In second grade, your child learned how to tell time to the nearest 5 minutes (not yet to the minute). Telling time is another great math skill to just talk with your child about. Tell them the time things are happening, ask them what time it is. Even though most of us don't have analog clocks, it's still a valuable skill to be able to read one. Telling time on an analogue clock also helps children count by fives and understand fractions (half an hour).

Resources:

-Here is a virtual analogue clock to use with your child.

<https://toytheater.com/clock/>

Questions to Ask Your Child :

- What time is it?
- How did you know it was ____?
- Where does the hour hand point when it's ____ o'clock?
- Where does the minute hand point when it's 8:35?
- How many hours until ____?

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

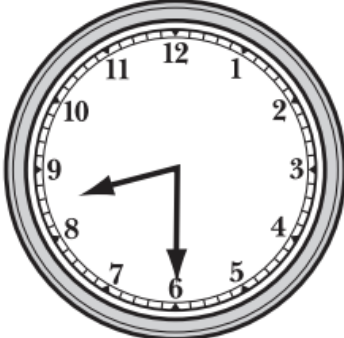



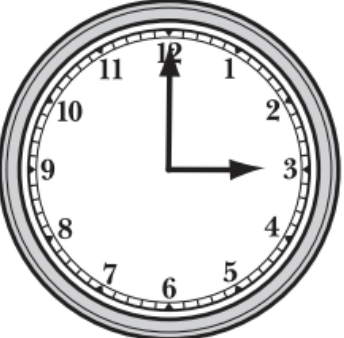

Date	Lessons Completed	Signature

Activity of the Week



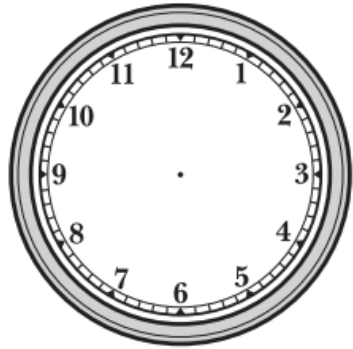

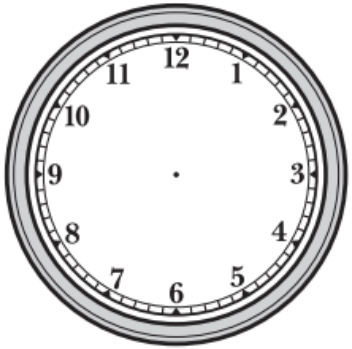

With the help of your family create a schedule for your day with the time and activity and write it below. Your schedule should have 5 things to do on it. Try to follow it! Check the clock frequently to see if you are on schedule!

--

Read each of these clock faces and write the time on the digital clock.

<p>a</p>  	<p>b</p>  	<p>c</p>  
---	---	---

Draw hour and minute hands on the clock faces to show the times below.

<p>a</p>  	<p>b</p>  	<p>c</p>  
---	--	---

Circle the time that people usually do each of these things on a school day.

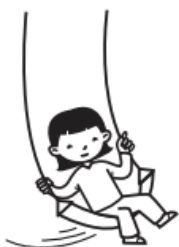
a Eat lunch



12:00 noon

12:00 midnight

b Play at the park



3:00 a.m.

3:00 p.m.

c Go to basketball practice



4:30 a.m.

4:30 p.m.

Draw a picture of something you do in the a.m. and something you do in the p.m.

a.m.	p.m.

How many hours are there in a day? _____

Week 10

I can... solve word problems using money.



For Families

Understanding the math: Understanding money is not only a great life skill, but also helps students better understand place value and our number system. 10 pennies make a dime and 10 dimes make a dollar, just like 10 ones make 10 and 10 tens make 100. 42 cents can be made with 4 dimes and 2 pennies, just as the number 42 is made of 4 tens and 2 ones. Help your child make these connections this week!

Resources:

-Online money pieces:

<https://apps.mathlearningcenter.org/money-pieces/>

-Talk to your child about money! Ask them to read amounts at the grocery store, to count the change you get, to figure out how much two items would cost together, to if they have enough money to pay for something!

Questions to Ask Your Child :

-How can you make \$0.72? Can you use other coins?
-What coins could I use if I wanted to pay for these two items?
-What if I tried to pay with a ten dollar bill? Would I have enough? How much change would I get?
-How many pennies is the same as \$1.76? How many dimes is the same as \$2.80?
-Make sure your child is using the dollar or cents symbol and decimal point correctly!

Dreambox Log

Complete a total of 6 lessons. You can do this over multiple days or all on one day.

Date	Lessons Completed	Signature

Activity of the Week





Prepare a shopping list! Choose 5 items you want to buy. Write their name and cost here (you can look up costs online). Then answer the questions

Item	Cost

What is the total amount of your shopping list?_____

If you pay with a \$100 bill, will you have enough money?_____

Mr. Mole needs help! He is still a little mixed up about how to use the dollar sign, the cent sign, and the decimal point. Count the money in each box and write the amount correctly.

<p>ex</p>  <div style="border: 1px solid black; width: 80px; height: 60px; margin-left: 250px; display: flex; align-items: center; justify-content: center;">\$ 1.20</div>	<p>a Thursday</p>  <div style="border: 1px solid black; width: 80px; height: 60px; margin-left: 250px; display: flex; align-items: center; justify-content: center;">¢</div>
<p>b Friday</p>  <div style="border: 1px solid black; width: 150px; height: 60px; margin-left: 20px; display: flex; align-items: center; justify-content: center;">\$ ____ . ____</div>	<p>c Saturday</p>  <div style="border: 1px solid black; width: 150px; height: 60px; margin-left: 20px;"></div>

Put the amounts of money in order from least to greatest on the six lines below. Don't forget to use the dollar sign, the decimal point, and the cents sign wherever you need them.

\$2.50	18¢	37¢	\$0.72	\$1.47	\$0.03
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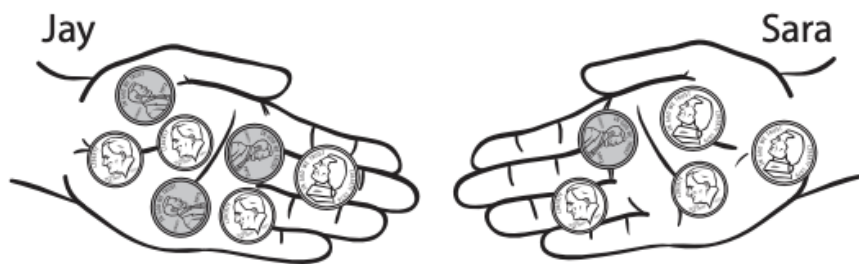
_____ , _____ , _____ , _____ , _____ , _____
least

greatest

On Sunday, Mr. Mole found 35¢. Draw three different collections of coins worth \$0.35 in the boxes below. (Hint: Use real or plastic coins to help.)

--	--	--

Jay and Sara are walking home from school and talking about how much money they have in their pockets. They hold out their hands to show the coins in their pockets.



- a** How much money does each child have in his or her hand?

Jay has _____ ¢ Sara has _____ ¢

- b** How much money do the two children have in all? _____ ¢

Lin and Sam are walking home from school and talking about how much money they have in their pockets. They hold out their hands to show the coins in their pockets.



- a** How much more money does Lin have than Sam? Show your work.

- b** How much more money do Lin and Sam need together to make \$1.00? Show your work.