

## Math – 4

### Easy Peasy All in One Homeschool

Course Description: Students will expand their understanding of graphing, measurement, fractions, decimals, geometry, estimation, place value, time and money. Students will be introduced to adding, subtracting, multiplying, dividing and simplifying fractions, as well as probability, order of operation, the coordinate plane, long division, angles, percents and averages. Students will practice their skills and new math vocabulary using worksheets as well as online games, quizzes and activities. Students will also be challenged by mental math problems.

**You should know all of your math facts. If you don't, please go to [xtramath](#) every day until you do. Math is easier, and therefore more fun, when you know the answers!**

#### **Review**

**Day 1** (Materials: It's not needed today, but I suggest that this year they have a math notebook, a spiral notebook or something, unless they have a lot of trouble with physically writing. If they do, try this [web page](#).)

1. Play the [medium level](#) of this time game.
2. Round to the [nearest ten](#).
3. Round to the [nearest hundred](#).

#### **Day 2**

1. Play this [time matching game](#).
2. Play [Garage Sale Wizard](#).
3. Make [numbers](#).
4. Round to the [nearest 100](#). (If you don't remember this, here is a [presentation](#) to watch.)

#### **Day 3**

1. Play [Clockmaker](#).
2. Play [Shape Invaders](#).
3. Read the [bar graphs](#).

#### **Day 4\***

1. Play the [Advanced Level](#) of this time game.
- 2.\*Then you can do your worksheet ([Adding 2 digits regrouping](#)).
3. If you can't remember how to do this, you can watch this [presentation](#) before you practice with the worksheet.

#### **Day 5\***

1. Match the [fractions](#).
- 2.\*Complete the worksheet ([Subtraction 2 digits regrouping](#))
3. If you can't remember how to do this, you can watch this [presentation](#) before you complete the worksheet.

#### **Day 6\***

1. Do the [timed multiplication facts](#). How many can you do in 3 minutes?
- 2.\*Complete this worksheet, [Add and Subtract Decimals](#).
3. Check your [answers](#). Understand your mistakes.

#### **Day 7\***

1. Do the [timed division facts](#). How many can you do in 3 minutes?
- 2.\*Complete ONLY the first line ([Addition 3 digit estimation](#)). For the second and third line, estimate the sums. Round the numbers to nearest hundred and then add them.
3. Check your [answers](#).

#### **Day 8\***

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
- 2.\* Complete ONLY the first line ([Subtraction 3 digit estimation](#)). For the second and third line, estimate the differences. Round the numbers to nearest hundred and then subtract them.
3. Check your answers for estimating here ([answers](#)).

#### Day 9\*

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
- 2.\* Complete the first line of the worksheet ([Addition 4 digit estimation](#)).
3. On the second line, round each number to the nearest HUNDRED.
4. On the third line, round to the nearest THOUSAND and then add.
5. Check and fix your answers ([answers](#)).

#### Day 10\*

1. Do the [first and second activities](#) to practice rounding.
- 2.\* Complete the first line of the worksheet ([Subtraction 4 digit estimation](#)).
3. On the second line, round each number to the nearest HUNDRED.
4. On the third line and fourth lines, round to the nearest THOUSAND and then subtract.
5. Check and fix your answers ([answers](#)).

#### Place Value and Expanded Notation

#### Day 11

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. Do this lesson on [place value](#) and expanded notation or expanded form.

#### Day 12

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. Read this lesson on place value and [expanded form](#). Make sure you click to go to the next page.

#### Day 13\*

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
- 2.\* Complete this worksheet on [expanded form and standard form](#).

#### Day 14\*

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
- 2.\* Print pages 11–14, 16, 18, and 21 of this [place value packet](#).
3. Cut out the number boxes on Student Resource 1. Read each number out loud. Put two boxes together and then read what that number would be. Have someone who knows their big numbers check you.
4. Write down seven of the numbers in the boxes in the spaces on left on the Student Resources 2 page.
5. Just for fun. Make [REALLY BIG NUMBERS](#).

#### Day 15

1. Do the [timed addition facts](#).
2. On your student resource 2 worksheet that you used on Day 14, fill in the middle with the expanded form and the lines on the right with the number written in words. You can use student resource 8 to help you spell the words.

#### Day 16

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. Watch this lesson [place value](#).
3. Say the numbers out loud when it asks you to read the numbers.

#### Day 17

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. Cut out the numbers on student resource 3.
3. Put them together to make big numbers. Say each number you make.

4. Write down two of the numbers you makes. Write them in standard, expanded and written form (with words).

#### Day 18

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. Complete student resource 4. You are just telling what the number's place value is.

•47, 531 The answer would be thousands.

#### Day 19

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. Complete student resource 6 and write the bigger numbers in expanded form.

#### Day 20

1. Do the [timed subtraction](#) facts.
2. Complete student resource 10.

#### **Mental Math**

**Day 21** (Materials: math notebook to write down daily mental math answers)

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. Get out your math notebook. Write Day 21. You are going to be doing mental math, math in your head. You are only to write the answers. Do not write the questions. I will read the questions to you. You will write your answers underneath Day 21. If you get stuck and haven't answered when I start the next question, pay attention to what I'm saying and just move onto the next question.
3. Watch this [presentation](#). Follow the directions. Learn about mental math.
4. Check your [Mental Math Answers](#), 4-1.

#### Day 22

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. Get out your math notebook. Write Day 22. This is the label for your answers. Write your answers underneath.
3. Watch this [presentation](#). Follow the directions. Learn about mental math.
4. Check your [Mental Math Answers](#), 4-2.

#### Day 23

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. Get out your math notebook. Write Day 23. This is the label for your answers. Write your answers underneath.
3. Watch this [presentation](#). Follow the directions. Learn about mental math.
4. Check your [Mental Math Answers](#), 4-3.

#### Day 24

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. Get out your math notebook. Write Day 24. This is the label for your answers. Write your answers underneath.
3. Watch this [presentation](#). Follow the directions. Learn about mental math.
4. Check your [Mental Math Answers](#), 4-4.

#### Day 25\*

1. \*Print page 1 of this [mental math worksheet](#). Remember, you are supposed to solve them in your head!
  - Breaking apart means expanded form.  $346 = 300 + 40 + 6$
  - Compensation means rounding. 38 is near 40; remember to take 2 off of the answer.
2. Use the link to check your answers when you are finished.

#### **Multiplying Bigger Numbers**

#### Day 26\*

1. Do the [timed addition](#) facts.
2. [Mental Math Time!](#)

3. Check your [Mental Math Answers](#), 4–5.
4. Watch this [presentation](#) on multiplying bigger numbers.
5. \*Print out page 1. Complete the [multiplication worksheet](#).
6. You can look at the presentation again if you need another reminder.
7. Check your answers when you are done. Make sure you understand your mistakes.

#### Day 27

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–6.
4. You are going to watch two videos with multiplication problems. Copy down each problem and write down the solution along with the video.
5. Watch this video on multiplying. [youtube.com/watch?v=zKUUNo90eSE](https://www.youtube.com/watch?v=zKUUNo90eSE)
6. Watch this video on [multiplying](#). Make sure you write down each problem and solve all the steps along with the video.

#### Day 28\*

1. Do the [timed subtraction facts](#).
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–7.
4. Are you ready to try some on your own?
5. \*Print page 1. Complete the worksheet, [multiplication double digits](#).
6. Check your answers. Understand your mistakes.

#### Day 29\*

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–8.
4. \*Print page 1. Complete the worksheet, [multiplication double digits](#).
5. Check your answers. Fix your mistakes.

#### Day 30

1. Play the [place value game](#).
2. Play this [rounding game](#). I suggest muting the music.
3. Can you do [level 3](#) at the expert level? Count the money.

#### Graphs and Charts

#### Day 31

1. Do the [timed addition facts](#).
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–9.
4. Follow the directions to survey the students and tally up the results. Turn the results into [graphs](#).
5. Make a survey of people or things in your house. You can ask everyone at your home a question and tally the results or you could count things like doors, apples, etc. and tally the numbers. Make a [graph](#). Print it if you can. Make sure you include all of the labels.

#### Day 32

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–10.
4. Play this game to practice [making and reading different types of charts](#). Pay attention to the directions. When I did it, at one point it didn't automatically move me onto the next activity, so I clicked on it using the line along the bottom of the activity.

### Day 33

1. Do the [timed subtraction facts](#).
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–11.
4. Read about different types of [frequency diagrams](#). Keep clicking on next.
5. Take the [quiz](#).

### Day 34

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–12.
4. Click on Step-by-Step to learn about [double line graphs](#). Make sure you do all of the parts. Click on show me, next and each of the tabs.
5. Go back to the same page and click on [test yourself](#).

### Day 35

1. Play [Best Friend Math](#). Click on counting money. Use paper if you need to, but try and figure out the answers in your head. How many friends did you make?
2. Try [Time Balloons](#). Choose five minutes. The clocks don't have numbers on them. But you can count the lines and even just picture a clock in your head. Where is the 3, 6, 9 and 12?

### **Multiplying Bigger Numbers**

### Day 36\*

1. Do the [timed addition facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–13.
4. Read this lesson on [multiplying with hundreds](#) and watch the first video.
5. \*Complete the first two lines of this worksheet on [multiplying with hundreds](#).
6. When you are done, check your answers. Redo any problems you got wrong. (Come on. I let you skip a line! At least you can make sure you can do them all correctly.)

### Day 37

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–14.
4. Read this lesson on [multiplying with hundreds](#) and watch the second video.
5. Click on the questions at the bottom and answer all ten.

### Day 38\*

1. Do the [timed subtraction facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–15.
4. \*Complete the first two lines of this worksheet on [multiplying hundreds](#). You will do eight problems today and eight tomorrow. Hold onto your worksheet.
5. Check your answers.
6. Fix your mistakes.

### Day 39

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–16.
4. Finish your worksheet from yesterday.

5. Check your answers.
6. Fix your mistakes.
7. Give this worksheet to a parent to put in your portfolio.

#### Day 40

1. Try this activity to [review graphs](#).
2. Play the [rounding cannon game](#).
3. Find the standard form of the numbers in [expanded notation](#).

#### Day 41\*

1. Do the [timed addition facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–17.
4. How would you add  $16 + 7$  in your head? You could add  $6 + 7 + 10$ .
5. \*Complete the worksheet, [multiplying practice 1](#).
6. Check your answers. Fix your mistakes.

#### Day 42\*

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–18.
4. How would you add  $88 + 8$  in your head? You could add  $8 + 8 + 80$ . Or, you could add  $88 + 2 + 6$ .
5. \*Complete the worksheet, [multiplying practice 2](#).
6. Check your answers. Fix your mistakes.

#### Day 43\*

1. Do the [timed subtraction facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–19.
4. How would you subtract  $20 - 3$  in your head. You could count down from 20. Or, you could think  $10 + 10 - 3$ .
5. \*Complete the worksheet, [multiplying practice 3](#).
6. Check your answers. Fix your mistakes.

#### Day 44\*

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–20.
4. \*Complete the worksheet, [multiplying practice 4](#).
5. Check your answers. Fix your mistakes.

#### Day 45\*

1. \*Do only the first two lines of this worksheet, [Estimation with Multiplication](#). You are going to estimate the solution by rounding the top number to the nearest hundred and the bottom number to the nearest ten. Then you multiply the first digits together. Write down that number. Then you count up how many zeros are in the problem and write them in the answer. Here's an example:

- $458 \times 34 = 500 \times 30 = 15,000$

- In America we put a comma after every three digits, starting on the far right with the ones. They don't do that everywhere. I remember being confused when I was first living in Macedonia because in numbers they use decimal points for commas and commas for decimal points.

2. Then estimate this problem with rounding:  $5,678 \times 504$ . Round to the nearest thousand for the first number and to the nearest hundred for the second number.

3. Check your answers, [Estimation with Multiplication Answers](#). Fix your mistakes.
4. Hold onto your worksheet.

#### Day 46

1. Do the [timed addition](#) facts.
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–21.
4. You are going to work on the last line of your worksheet from Day 45.
5. Solve the equations by multiplying.
6. Then estimate each answer by rounding the top number to the nearest hundred and the bottom number to the nearest ten.
7. Next, find the difference between the actual and the estimated answers.
8. Check your answers, [Estimation with Multiplication Answers](#). Find your mistakes.

#### Word Problems

#### Day 47

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–22.
4. Read about [solving word problems](#) and then solve the problems.
5. Multiply and add to [find the right amount](#).

#### Day 48

1. Do the [timed subtraction](#) facts.
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–23.
4. Solve the multiplication and division [word problems](#).
5. Solve the [word problems](#). Do five problems.

#### Day 49

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–24.
4. Solve the [word problems](#). Do ten problems.

#### Day 50

1. Practice all operations [build a bug](#).
2. Solve the [word problems](#). Make sure you write the label on your answer, 12 apples, \$4.50, 6 children, etc.

#### Fractions

#### Day 51

1. Let's start with a [simple review](#).
2. In the review it pointed out that one half,  $1/2$ , is the same as two fourths,  $2/4$ . What else is it the same as? If you had a pizza with 8 slices and you ate half, how many slices did you eat? 4! Four is half of eight. One way to read fractions is 4 out of 8.
3. These are all the same amount.
  - one half
  - five tenths
  - five out of ten
  - 0.5

•50%

4.  $1/2$  ,  $2/4$  ,  $3/6$  ,  $4/8$  ,  $5/10$  are called equivalent fractions. Equivalent means equal. Those fractions are all one half. The top number is half of the bottom number. The denominator is two times the numerator.

5. When we change an equivalent fraction to its lowest terms, it's called simplifying or reducing the fraction. That just means we take  $5/10$  (five tenths) and call it  $1/2$  (one half). If you ate 5 of the the 10 cookies, you ate one half of them.  $5/10$  and  $1/2$  are the same amount.

6. One way to find an equivalent fraction is to multiply or divide the top and bottom numbers (the numerator and the denominator) by the same amount. Watch this [presentation](#).

7. [Hang the monkeys](#) on the line. Sometimes they will match what is on the number line. Sometimes you will have to hang the monkey on an equivalent fraction, one that equals the same amount but is written with different numbers.

#### Day 52

1. Match the [fractions](#) with the pictures.

2. Match the [equivalent fractions](#). (Hint: )

#### Day 53

1. [Compare the fractions](#). You compare them by looking at their numerators.

2. Which fraction is the [largest amount](#)?

- $1/2$  is greater than  $2/5$  because...
- $1/2$  equals  $5/10$  (multiply top and bottom by 5)
- $2/5$  equals  $4/10$  (multiply top and bottom by 2)
- $5 > 4$

#### Day 54\*

1.\*Print pages 9–18 of these [adding and subtracting fractions worksheets](#).

2. Read pages A9.7 and do page A9.8.

#### Day 55

1. Read about [proper fractions](#) and do the questions.

#### Day 56

1. Read about [improper fractions](#) and do the questions.

#### Day 57

1. Read about [mixed numbers or mixed fractions](#) and do the questions.

#### Day 58

1. Do pages 9 and 10 of the fraction worksheets (from Day 54).

#### Day 59

1. Read page 11 and do page 12 of the fraction worksheets (from Day 54).

#### Day 60

1. Do pages 15 and 16 of the fraction worksheets (from Day 54).

#### Long Division

Day 61\* (Materials: yarn and file folder or poster board or some other strong paper, see picture)

1. Read about [long division](#). Don't do the questions.

2.\*Print out this [long division lapbook](#). You don't need to print the first and last pages. The directions are on the first page. A picture of how it will look is on the last page. Take a look at the picture.

3. Today you can cut out the quotient, dividend and divisor piece as well as the long, skinny rectangle with the steps of long division. Attach the pieces to whatever you are using for your lapbook.

#### Day 62

1. Read about [long division](#).

2. Today cut out and fill in the individual steps pieces. Attach them to your lapbook.

#### Day 63

1. Watch the study jam on [multiplication and division](#). Then test yourself.
2. Cut out and fill in the answers to the smiley face and open brain pieces. Attach them to your lapbook.

#### Day 64

1. Cut out all of the numbers. Make sure you cut out the blank square and leave it attached to each number. You are going to fold it in half to hang it on the yarn. Attach the yarn as described in the [directions](#). Put the numbers in the number pocket and attach it to your lapbook.

#### Day 65

1. Divide 84 by each of the divisors.
2. Do the study jam on [single-digit division](#). Go through the lesson step by step and then make sure you test yourself.

#### Day 66

1. Read this page and answer the questions about [remainders](#).

#### Day 67

1. [Drag and drop math](#). Choose division. Choose 1 digit into 3 digits (1 digit on the left and 3 on the right). Leave it on 10 problems. Leave it on yes for remainders. Click on go.
2. You can solve the problems online or write them down on paper if you like that better.
3. Type the answer in the "result" box and click OK.

#### Day 68

1. Watch the study jam, step by step, on [double-digit division](#). Then test yourself.

#### Day 69

1. Read about [long division](#). Do the questions.

#### Day 70

1. [Drag and drop math](#). Choose division. Choose 2 digit into 4 digits (2 digits on the left and 4 digits on the right). Leave it on 10 problems. Leave it on yes for remainders. Click on go.
2. You can solve the problems online or write them down on paper if you like that better.
3. Type the answer in the "result" box and click OK.

### Decimals

#### Day 71

1. [Place value](#) review — Read the page.
2. Read about [decimal place value](#) and answer the questions.

#### Day 72

1. Read about the relationship between [fractions, decimals and percents](#). Don't do the questions.
2. Do the study jam about [dividing decimals](#).

#### Day 73

1. Read about [changing fractions into decimals](#) and answer the questions.

#### Day 74

1. Match the [fractions and decimals](#).
2. Do it [again](#).

#### Day 75

1. Do ten of the [decimal problems](#). Match the decimal to the number in the top green bar.
2. [Add and subtract the fractions](#).

#### Day 76

1. Read about [adding decimals](#) and answer the questions.

#### Day 77

1. Read about [subtracting decimals](#) and answer the questions.

#### Day 78

1. Read about [multiplying decimals](#) and answer the questions.

**Day 79\***

- 1.\*Print out page one and multiply, [multiplying decimals](#).
2. Check your answers when you are done.

**Day 80\***

- 1.\*Print out page one and multiply, [multiplying decimals](#).
2. Check your answers when you are done.
3. Give this page to a parent to add to your portfolio.

**Day 81**

1. [Add and subtract the decimals](#) (money).

**Day 82**

1. Play [Making Change](#). Subtract to find the amount of change.

**Day 83**

1. Play [cash out](#). Choose easy then medium. Click on NO for show change amount. Subtract or count on to find the amount. Can you use mental math?

**Day 84**

1. Read about [dividing decimals](#) and then answer the questions.
2. Refer to your lapbook if you need help remembering the steps to division.

**Day 85\***

1. Look at the [different ways to write division problems](#).
- 2.\*Write the division problems in different formats, [dividing in different formats](#).

**Day 86\***

- 1.\*Print out this worksheet and just do numbers 1–10, [comparing fractions and decimals](#). Divide the fractions to convert them into decimals and then compare the decimals.
2. Check your answers when you are done.

**Day 87**

1. Do [drag and drop math](#). Choose multiplication. Choose three digits for both options. Do five problems.

**Day 88**

1. Do [drag and drop math](#). Choose division. Choose two digits into four digits. Leave it on Yes. Do five problems.

**Day 89**

1. Read all THREE pages about [adding fractions](#) and do the problems. Notice how they simplify, reduce the fractions, writing an equivalent fraction for the answer.
2. Play [fruit shoot](#) adding fractions, level 1 relaxed.

**Day 90**

1. [Death to Decimals](#)
2. [Visual Fractions](#) – Make sure you read the directions! (under the word “report”)

**Day 91**

1. Do the [timed addition](#) facts.
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–25.
4. Read about [multiplying fractions](#) and answer the questions.
  - When you add and subtract, the denominator doesn't change.
  - When you multiply and divide, you use the numerator and the denominator.

**Day 92**

1. Do the [timed multiplication facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)

3. Check your [Mental Math Answers](#), 4–26.
4. Read about [multiplying fractions](#) and answer the questions. You have to go on to the next page.
5. Do the first three [long division](#) problems.
6. Check your answers and fix any mistakes. Use your long division lapbook to help you remember the steps.
7. Hold onto your paper

#### Day 93

1. Do the [timed subtraction](#) facts.
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–27.
4. Read about [dividing fractions](#) and answer the questions.

#### Day 94

1. Do the [timed division facts](#). Can you do more than before in 3 minutes?
2. [Mental Math Time!](#)
3. Check your [Mental Math Answers](#), 4–28.
4. Finish the long division page from Day 92.
5. Check and fix your answers when you are done.

#### Day 95\*

1. Read about [dividing fractions](#) and answer the questions. You have to go on to the next page.
2. \*Complete this worksheet, [dividing fractions and whole numbers](#). Remember that you can write a whole number as a fraction. 2 is  $2/1$  . 8 is  $8/1$  .

#### Averages

#### Day 96

1. Play this game to learn about the [mean, median and mode](#).

#### Day 97

1. Read about the [mean, median, mode and range](#).
2. Take the [quiz](#).

#### Day 98

1. [Mean, median and mode](#)
2. Make a basket, [divide the fraction](#).

#### Day 99

1. Play [Jeopardy](#) with 1 team unless you have a sibling that wants to play with you.
2. The category tells you what to do with the numbers. Say your answer out loud. Then click on answer to see if you are right.
3. If you are right, click on “correct” and it will add the points to your score.

#### Day 100

1. Add and subtract the [money](#).
2. [Round](#) to the nearest...

#### Percents

#### Day 101

1. Read about [percentages](#) and answer the questions.

#### Day 102

1. I know you’ve seen this before, but read about [fractions, decimals and percentages](#) and answer the questions.

#### Day 103

1. Change [decimals and fractions into percentages](#).

## Day 104

1. Convert [decimals, fractions and percentages](#).

## Day 105

1. Change the [fraction into a decimal](#).
2. Watch the video on place value. [youtube.com/watch?v=y-rLi2HKwkl](https://www.youtube.com/watch?v=y-rLi2HKwkl)

## Word Problems

## Day 106

1. [Math at the Mall](#)

## Day 107

1. Solve the [story problems](#).

## Day 108

1. Answer the [word problems](#).

## Day 109

1. Solve the [word problems](#). Only use the information you need!

## Day 110

1. Solve the [word problems](#). Click on Q1 for the first question. Click on A1 when you are ready to check your answer. It will show you step by step how to solve it.

## Rounding Decimals

## Day 111

1. Play the football [decimal place value](#) game.
2. Read about [rounding decimals](#) and answer the questions.

## Day 112

1. Play the ducks [decimal place value](#) game.
2. Play the [pirate place value](#) game.
3. Play some [games](#).

## Day 113

1. Play the [half court rounding game](#). Choose how many points you want to score to begin.
2. Play [Dude's Dilemma](#). Choose mixture and hard.
3. Play some [games](#).

## Day 114

1. Quick! [Add the decimals](#). Combine two bones to make the target number.
2. Round the [decimals](#). Follow the directions each time at the bottom of the screen. It doesn't always ask you to do the same thing.
3. Play some [games](#).

## Day 115

1. Play with the [decimal number line](#).
2. Drag the arrow over into the middle of the number line somewhere.
3. Click above the arrow to show the number.
4. Now click on the top and bottom buttons from the side menu.
5. Figure out how to read the number line. Move the arrow around to point to different numbers.
6. Now, play the [decimal detective game](#). Choose the sergeant mode. Be patient while it loads.

## Time

## Day 116

1. Choose expert on the [number cruncher](#).

- 2.Choose the [operation](#).
- 3.Play the [time traveler game](#).

#### Day 117

- 1.Solve the [word problems](#).
- 2.Read about [elapsed time](#) and then click on the button to practice.

#### Day 118

- 1.Solve the [word problems](#).
- 2.Read about [elapsed time](#) and then click on the button to practice.

### Geometry (and Measurement)

#### Day 119

- 1.Solve the [word problems](#).
- 2.Watch the shape song. Yes, I know it starts with a circle, but be patient. [youtube.com/watch?feature=player\\_embedded&v=OUMUaxiPUlo#!](https://www.youtube.com/watch?feature=player_embedded&v=OUMUaxiPUlo#!)

#### Day 120(\*)

- 1.Solve the [word problems](#). (Take a screen shot of your correct answer and print it out for your portfolio.)
- 2.(\*). Choose [3D shapes](#). Click on the dimension tabs. Then click on next. Read the names of all of the shapes and click on any of them that you like. You can even print out forms to build the 3D shapes out of.

#### Day 121

- 1.Solve the [word problems](#).
- 2.Play [3D shape explorer](#).

#### Day 122

- 1.Play and read about [3D shapes](#).
- 2.[Catch the coins](#).

#### Day 123

- 1.Play, read and take the quiz about [symmetry](#).

#### Day 124

- 1.Play, read and take the quiz about [angles](#).

#### Day 125

- 1.Learn about [angles](#). Click on the little pictures on the left to learn about each one. Then click on play.

#### Day 126

- 1.Read about [angles](#) and answer the questions.
- 2.Take a screen shot to include in your portfolio.

#### Day 127

- 1.Play, read and take the quiz about [measurement](#).

#### Day 128

- 1.[Measure with a ruler](#). Choose hard centimeters and inches (or super brain!)
- 2.Read about [perimeter](#) and answer the questions.

#### Day 129

- 1.Find the [perimeter](#). The perimeter is the measure around a shape. You add up all of the sides to find the perimeter.
- 2.Find the [area](#). The area is the measure of the space inside a shape. To find the area of a rectangle you multiply the length times the width.
- 3.Click on "coach" if you want help.

#### Day 130

- 1.[Design a zoo](#). Click and drag (don't let go until you've made a rectangle) to make the enclosure have the right area.
- 2.[Pour the drinks](#). Read the directions before you begin.

## **Review**

### **Day 131**

1. Do the [timed addition](#) practice.
2. [Click and drag math](#). Choose addition. Do five of the biggest problems it allows.

### **Day 132**

1. Do the [timed subtraction](#) practice.
2. [Click and drag math](#). Choose subtraction. Do five of the biggest problems it allows.

### **Day 133**

1. Do the [timed multiplication facts](#) practice.
2. [Click and drag math](#). Choose multiplication. Do five of the biggest problems it allows.

### **Day 134**

1. Do the [timed division facts](#) practice.
2. [Click and drag math](#). Choose division. Do five problems, choosing two numbers on the left and four numbers on the right.

### **Day 135**

1. Play, read and take the quiz about [time](#).

## **Fractions**

### **Day 136**

1. Read about [simplifying fractions](#) and answer the questions.

### **Day 137**

1. [Fraction workshop](#) — Click on add fractions with like denominators. Type in 10 for the number of problems.
2. Drag the numbers into the answer squares. Use the little buttons next to the answer to check your answer or to show a picture of the problem.
3. It will require you to simplify your answers. Do you remember what that means? It means to find the equivalent fraction with that uses the lowest numbers. You do that by dividing the numerator and denominator (the top and bottom) by the same number. If the top and bottom numbers are both even, then you know you can divide them both by two to make them smaller.
4. [Fraction workshop](#) – Click on add mixed fractions with like denominators. Type in 10 for the number of problems.

### **Day 138**

1. [Fraction workshop](#) – Click on subtract fractions with like denominators. Type in 10 for the number of problems.

### **Day 139**

1. [Fraction workshop](#) – Click on subtract mixed fractions with like denominators. Type in 10 for the number of problems.

### **Day 140**

1. Play this [factors game](#). Factors are the numbers that can be divided evenly into a number with no remainder. For example, you can divide 24 by 2 and 3 and 4 and 6 and 8 and 12. 2, 3, 4, 6, 8, 12 are all factors of 24. 5 and 7 are NOT factors of 24 because you can't divide 24 by 5 and get a whole number. You would get a decimal, or have a remainder.
2. Thinking about what divides evenly into a number will help you simplify your fractions.

### **Day 141\***

1. \*Print and complete this worksheet, [adding three fractions](#). If it is an improper fraction (the top number is bigger than the bottom number), divide the fraction to make it a mixed number. Simplify the fraction by finding the equivalent fraction with the lowest numbers. Look at the answer to the first problem to see how to write the answer.
2. Check and fix your answers when you are done.

### **Day 142**

1. Read about [adding and subtracting fractions](#) when the denominators are different. Make sure you keep going to the

next page and do the practice problems.

#### Day 143

1. Read about [adding fractions](#) when the denominators are different. Click on the animation. Answer the questions.

#### Day 144

1. Read about [subtracting fractions](#) when the denominators are different. Answer the questions.

#### Day 145

1. [Round the numbers](#). Follow the directions.

#### Day 146

1. [Fraction workshop](#) – Click on add fractions with unlike denominators. Type in 10 for the number of problems.

#### Day 147

1. [Fraction workshop](#) – Click on subtract fractions with unlike denominators. Type in 10 for the number of problems.

#### Day 148

1. [Fraction workshop](#) – Click on multiply fractions. Type in 15 for the number of problems.

#### Day 149

1. [Fraction workshop](#) – Click on divide fractions. Type in 15 for the number of problems.

#### Day 150

1. [Estimate](#) to find the maximum capacity.

#### Day 151\*

1. \*Print out pages 70 and 72 (pages 1 and 3 of the pdf—while you are here print pages 13 and 17 as well) and [complete them](#). (You can skip the exploring data section.)

2. You can check the answers when you are done, page 73.

#### Day 152

1. [Complete](#) worksheet pages 82 and 86. You can check your answers when you are done. (This should be printed out from Day 151.)

#### Day 153\*

1. \*Print pages 88 and 91 (pages 1 and 4 of the pdf—also print pages 6 and 8) and [complete them](#).

2. You can check your answers when you are done.

#### Day 154

1. [Complete](#) pages 93 and 95. You don't have to answer about North Carolina native Americans and you don't have to do Solve This.

2. Check your answers when you are done. (This should be printed out from Day 154.)

#### Day 155

1. Do you remember [expanded notation](#)?

2. Play [probability fair](#).

#### Order of Operations

#### Day 156

1. Do the [timed addition](#) practice.

2. Read about the [order of operations](#) and answer the questions.

#### Day 157

1. Do the [timed subtraction](#) practice.

2. Match the [equations](#) with their answers. Multiplication and division come first, left to right, then addition and subtraction.

#### Day 158

1. Do the [timed multiplication facts](#) practice.

2. [Save the day!](#) Make sure you read the instructions.

#### Day 159

1. Do the [timed division facts](#) practice.
2. Play a [fraction board game](#).

#### Day 160

1. Play [fraction, decimal and percent](#) jeopardy.

#### Coordinate Plane

#### Day 161

1. [Click and drag math](#). Choose addition. Do one of the biggest problems it allows. If you get it wrong, do another.
2. Learn about the [coordinate plane](#).

#### Day 162

1. [Click and drag math](#). Choose subtraction. Do one of the biggest problems it allows. If you get it wrong, do another.
2. Play [Billy bug](#).

#### Day 163

1. [Click and drag math](#). Choose multiplication. Do one of the biggest problems it allows. If you get it wrong, do another.
2. Play [space boy](#). This uses negative numbers. It's not a problem. Just look at the labels.

#### Day 164

1. [Click and drag math](#). Choose division. Do one problem, choosing two numbers on the left and four numbers on the right.
2. Locate the [aliens](#).

#### Day 165

1. Stock the [shelves](#).
2. Write the [numbers](#). How well can you spell?

#### Probability

#### Day 166

1. [Mental math](#) — Do Day 166
2. [Check your answers](#).
3. Do the “play,” “read” and “quiz” for [probability](#).

#### Day 167

1. [Mental math](#) - Do Day 167
2. [Check your answers](#).
3. Probability [spinner](#) - Choose the four color spinner under “spinner” under “manipulatives.” Click on start over and over and watch the percentages change. That's the probability that the spinner will land on that color.
4. Learn about [probability](#) as a fraction. Make sure you do each of the tabs and then test yourself.

#### Day 168

1. [Mental math](#) - Do Day 168
2. [Check your answers](#).
3. Learn about [finding probability](#). Make sure you do each of the tabs and then test yourself.

#### Day 169

1. [Mental math](#) - Do Day 169
2. [Check your answers](#).
3. Learn about a tool to help you guess an [outcome](#). Make sure you do each of the tabs and then test yourself.

#### Day 170

1. [Mental math](#) - Do Day 170
2. [Check your answers](#).

3. Learn about making [predictions](#). Make sure you do each of the tabs and then test yourself.

## Measurement

### Day 171

1. [Mental math](#) – Do Day 171

2. [Check your answers](#).

3. Learn about different units of [measurement](#). Make sure you do each of the tabs and then test yourself.

### Day 172

1. [Mental math](#) – Do Day 172

2. [Check your answers](#).

3. Learn about customary [units of length](#). Make sure you do each of the tabs and then test yourself.

### Day 173

1. [Mental math](#) – Do Day 173

2. [Check your answers](#).

3. Learn about [tools of measurement](#). Make sure you do each of the tabs and then test yourself.

### Day 174

1. [Mental math](#) – Do Day 174

2. [Check your answers](#).

3. Learn about [measuring length](#). Make sure you do each of the tabs and then test yourself.

### Day 175

1. [Mental math](#) – Do Day 175

2. [Check your answers](#).

3. Learn about [finding volume](#). Make sure you do each of the tabs and then test yourself.

### Day 176

1. Learn about telling [temperature](#).

## Time

### Day 177

1. Learn about [telling time](#). Make sure you do each of the tabs and then test yourself.

### Day 178

1. Convert [units of time](#). Make sure you do each of the tabs and then test yourself.

### Day 179

1. Practice with [elapsed time](#). Make sure you do each of the tabs and then test yourself.

### Day 180

1. [Play a game!](#)

2. [Congratulations!](#) You did it! You finished level 4!