

# Detailed Lesson Plans for Every Activity

Lesson I: Building Numbers	Materials: <ul style="list-style-type: none"><li>base-ten blocks (optional)</li><li>base ten paper</li></ul>
Standard: 4NBT.2 Read and write multi-digit whole numbers using base-ten number names, and expanded form.	
Mini-lesson This task teaches that ten in any place value represents the next position. Distribute materials and ask <i>What piece of ten would represent one?</i> Guide students into understanding that one square unit would represent one. Then ask students <i>when building numbers, what would come next?</i> Help students understand that ten squares grouped together make a tens piece. Ask students <i>what would you build after the tens piece?</i> Students should realize that ten strips grouped together form the hundreds piece. Again, ask students <i>what would be grouped together next?</i> Show students how to tape ten hundreds pieces together to create a model of one thousand.	
Work Time Allow students to work in pairs or groups to build models of base-ten strips and squares to continue finding what model would come next. All students should be able to create a model of 10,000 and hopefully 100,00. Students will need a significant amount of room for the 100,000 model. You may want to provide students with a role of bulletin board paper or chart paper.	
Closing Students will share their models with the class and explain how they created their models and what challenges they had. Students may ask questions or make comments using accountable talk.	
Intervention Students who struggle to use base-ten blocks to build numbers.	Extension <ul style="list-style-type: none"><li>Have students combine their models to create an even larger number. Let them decide how high they can go.</li></ul>
Essential Questions <ul style="list-style-type: none"><li>How does our base ten number system help us understand the base ten system help us add and subtract?</li></ul>	Formative Assessment <ul style="list-style-type: none"><li>What's a consistent pattern seen as the place values are being added?</li><li>What is the meaning of the base ten system?</li></ul>

Standard

Materials

Mini Lesson

Work Time

Closing

Intervention

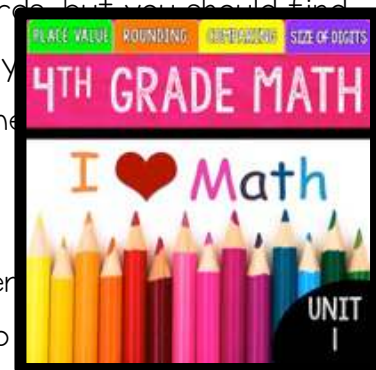
Extension

Essential Questions

Formative Assessment

# Unit I-Place Value & Rounding

I sincerely hope that you and your students enjoy this place value and rounding unit! This unit has been designed around the Common Core Standards but you should find the content useful in any fourth grade classroom. In this unit you will find performance tasks to conceptually teach new skills through the use of games as well as work station activities and games for review.



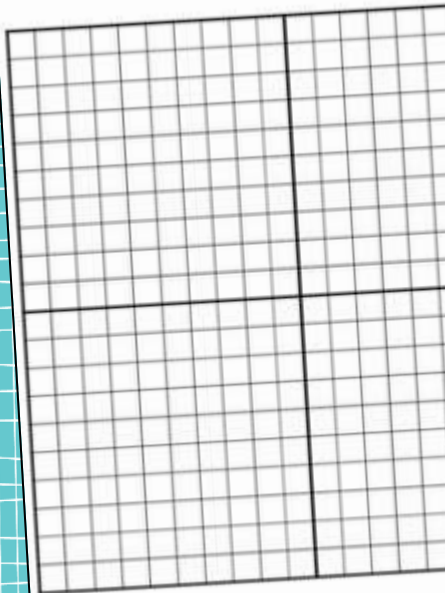
I have included a suggested pacing guide below. I like to supplement lessons with a brief skill practice sheet each day. You may also use this unit on Mondays and Thursdays, rather than including a performance task, I have included a content specific game. Even if you choose to not implement math work stations, I think you will find the games useful in any setting! As always, feel free to contact me if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)

## Unit at a Glance

Representing Numbers	Lesson 1  What Comes Next  Skill: Place Value Practice 1	Lesson 2  Naming Numbers  Skill: Place Value Practice 2	Lesson 3  Forms of Numbers  Skill: Place Value Practice 3	Lesson 4  Place Value Scavenger Hunt  Skill: Place Value 4	Lesson 5  If I Had a Million Dollars  Skill: Place Value 5
Size of Digits & Comparing Numbers	Lesson 6  Ten Times a Number Skill: Multiply by Ten	Lesson 7  Dividing by Ten Skill: PV Cut and Paste	Lesson 8  Animal Line Up Skill: Changing Places	Lesson 9  Comparing Numbers Skill: Comparing Numbers	Lesson 10  Comparing and Ordering Numbers Skill: Comparing & Ordering Numbers
Rounding	Lesson 11  Nice Numbers Skill: Rounding Practice 1	Lesson 12  Making the Rounds Skill: Rounding Practice 2	Lesson 13  Finding the Midpoint Skill: Rounding Riddles	Lesson 14  Roll and Round Skill: Rounding Practice 3	Lesson 15  Rounding Scavenger Hunt Skill: Rounding practice 4

# 15 Conceptual Lessons

Base-Ten Paper Blocks



## NAMING NUMBERS

Fill in the blanks for the numbers below.

1. 20,000 \_\_\_\_\_ 2. 5,000 \_\_\_\_\_

Use dots on the place value chart to show the following numbers.

3. 20,100

Hundred Thousands	Ten Thousands	Thousands	Hundreds

4. Five hundred forty-four thousand, two hundred forty-two

Hundred Thousands	Ten Thousands	Thousands	Hundreds

5. 300,000

Hundred Thousands	Ten Thousands	Thousands	Hundreds

## PLACE VALUE SCAVENGER HUNT

Find a number with a _____	The number I found is _____	It is on page _____	The number tells me about _____
5 in the ones place			
4 in the tens place			
3 in the hundreds place			
6 in the thousands place			
2 in the ten thousands place			
7 in the hundred thousands place			
Where the hundreds place has a value of 800			
Where the thousands place has a value of 1000			
Where the ten thousands place has a value of 20,000			
Where the hundred thousands place has a value of 300,000			

# 15 Practice Sheets

## IF I HAD A MILLION DOLLARS

Students, today is your lucky day! You are in charge of spending \$1,000,000 on all fun, but it's a big job. As you choose your purchases, you will need to record the item, where it can be found, and the cost of the item. Don't worry about paying tax and you will need to keep a running total as you work so you can spend as close to \$1,000,000 as possible. You must purchase at least ten different items and to do this, you can purchase items for friends and family members too! Be creative!

Item	Where the item can be found
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

## TEN TIMES A NUMBER

Solve the multiplication problems. Then, show dots in the place value chart to show your answer or how to show doubling.

1. 600 times 10 = \_\_\_\_\_

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens

2. 200 times 10 = \_\_\_\_\_

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens

3. 5 thousands x 10 = \_\_\_\_\_

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens

4. 7 thousands x 10 = \_\_\_\_\_

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens

## ANIMAL LINE UP

Cut out the pictures of the animals and glue them in the correct box according to the mass of each animal.

60,000 grams	6,000 grams	1,000 grams	600 grams	60 grams	6 grams	1 gram

Use the chart above to write three 60 times larger statements.

1. _____
2. _____
3. _____

Use the chart above to write three 100 times larger statements.

1. _____
2. _____
3. _____

Use the chart above to fill in the blanks.

1. The _____ is 100 times larger than the hummingbird.
2. The blue whale is 100 times larger than the _____.
3. The _____ is 1,000 times larger than the butterfly.
4. The duck is 10 times larger than the _____.



# Unit 2-Addition & Subtraction

As I began to work on this second 4<sup>th</sup> Grade Math Unit, I knew that I wanted something a bit different from my typical math units. The content of this unit is a bit more procedural than in the other 3<sup>rd</sup> and 4<sup>th</sup> grade units as students will be applying the algorithm to add and subtract large numbers. Since addition and subtraction has been conceptually taught in kindergarten through third grades, I did not include highly conceptual or manipulative based lessons. Instead, I created a series of ten tasks that were engaging and had an emphasis on application and problem solving. I plan to spend two weeks on this unit, so I have created one task for each of the ten days. During the mini lesson, I will go over basic computation (beginning with addition and moving on toward subtraction). During the mini lesson, I will make note of any student struggling with the computation taught during class, and I will meet with those students in small groups of students during independent work time. As I meet with small groups, I will gradually remove students from the small group as they show understanding and confidence of the material. I did include formal lesson plans for each of the activities for those of us who need to turn in lesson plans 😊.



## Unit at a Glance

	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Week 1	Adding 3 Digit by 3 Digit Numbers	Adding 4 Digit by 4 Digit Numbers	Adding 5 Digit by 5 Digit Numbers	Adding 6 Digit by 6 Digit Numbers	Subtracting 2 Digit by 2 Digit Numbers
	Skill: Addition Practice 1	Skill: Addition Practice 2	Skill: Addition Practice 3	Skill: Place Value 4	Skill: Subtraction Practice 1
Week 2	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
	Subtracting 3 Digit by 3 Digit Numbers	Subtracting 4 Digit by 4 Digit Numbers	Subtracting 5 Digit by 5 Digit Numbers	Subtracting 6 Digit by 6 Digit Numbers	Subtracting Across Zeroes
	Skill: Subtraction Practice 2	Skill: Subtraction Practice 3	Skill: Subtraction Practice 4	Skill: Subtraction Practice 5	Skill: Subtraction Practice 6

## TICKET SALES

Ticket prices have risen through the roof! The table below shows the cost of tickets to Nottingham.

	Single Day Ticket	3-Day Ticket	Four Long Pines
Ticketless	\$16	\$47	\$145
Children	\$15	\$46	\$141
Adults	\$25	\$67	\$206
Seniors	\$13	\$40	\$125

1. What is the value of  $x$  if  $x$  is 10 more than 50?

2. What is the value of  $y$  if  $y$  is 10 less than 50?

3. What is the value of  $z$  if  $z$  is 10 more than 50?

4. What is the value of  $w$  if  $w$  is 10 less than 50?

5. What is the value of  $v$  if  $v$  is 10 more than 50?

6. What is the value of  $u$  if  $u$  is 10 less than 50?

[illegible]

## ARE WE THERE YET

Did you know that people drive and fly from all over the world to visit Antelope? Why, you know that, because it's the first white herd! The marketing experts had a survey found that the majority of visitors to the park were from the ten most populous cities in the United States. You can see the information in the table below.

City	Population	Domestic Airline Passengers
New York City	8,175,000	885 million
Los Angeles	3,790,620	2,000 million
Chicago	2,078,278	952 million
Miami	2,099,460	779 million
Minneapolis	358,000	809 million
Phoenix	1,046,830	1,030 million
San Antonio	1,327,007	787 million
San Diego	1,357,042	2,120 million
Tulsa	179,000	329 million
San Jose	950,000	1,260 million

The Big Dipper

What is the main star/shape of the Big Dipper?	How many stars are in the Big Dipper?	What is the main star/shape of the Big Dipper?	How many stars are in the Big Dipper?
What is the main star/shape of the Big Dipper?	How many stars are in the Big Dipper?	What is the main star/shape of the Big Dipper?	How many stars are in the Big Dipper?

- Can you use the mileage information to determine which city Antwerp is located in?

## SNACK TIME

It's normal to get hungry when you're riding roller coasters, going to shows and playing games. Fortunately, Antarespark has plenty of concession stands that serve delicious food like the delicious labels of the food served at the park to answer the question: What



**HAMBURGER**  
**Nutrition Facts**  
 Serving Size 1  
 Amount Per Serving  
 Calories 100  
 Total Fat 10g 20%  
 Cholesterol 10mg 20%  
 Sodium 10mg 20%  
 Total Carbohydrate 10g 20%  
 Protein 10g 20%

**HOTDOG**

**Nutrition Facts**

Serving Size 1 Hotdog (100g)

Amount Per Serving

Total Fat	10g	20%
Sodium	100mg	20%
Total Crap	10g	20%
Crappy Fat	10g	20%
Crappy Sodium	100mg	20%
Crappy Total Crap	10g	20%
Crappy Crappy Fat	10g	20%
Crappy Crappy Sodium	100mg	20%
Crappy Crappy Total Crap	10g	20%

**SOFT DRINK**

<b>Nutrition Facts</b>	
Serving Size 12 fl oz (355 mL)	
% Daily Value*	
Total Fat	0g
Sodium	20mg
Total Carbohydrate	39g
Dietary Fiber	0g
Sugars	39g
Vitamin C	0%

\*Percent Daily Values are based on a diet of other people's secrets.

**POPCORN**

**Nutrition Facts**

Amount Per Serving

Calories 100

Total Fat 2g

Sodium 100mg

Total Carbohydrate 20g

Dietary Fiber 2g

Sugars 1g

Protein 2g

PRETZEL	
Nutrition Facts	
Serving Size 1 oz (28g)	
Amount Per Serving	
	% Daily Value*
Total Fat	100%
Sodium	2%
Total Crap	50%
Total Happiness	100%
*Percent Daily Values are based on a diet of other people's secrets.	

Serving Size 1/2 Cup	
Amount Per Serving	
<b>Total Fat</b> 10g	20%
<b>Saturated Fat</b> 5g	10%
<b>Trans Fat</b> 0g	0%
<b>Total Sugar</b> 10g	20%
<b>Total Carbohydrate</b> 10g	20%
<b>Dietary Fiber</b> 0g	0%
<b>Sodium</b> 0g	0%
<b>Protein</b> 0g	0%

<p>What is the role of a field worker in a testing program and what are the goals?</p>	<p>Describe the objectives of the survey. What does being objective mean?</p>	<p>Describe the techniques of a field worker. How do you handle refusals? How many calls do you make? What are the goals?</p>	<p>Describe the importance of a field worker. How do you handle refusals? How many calls do you make? What are the goals?</p>
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PEAK ATTENDANCE

Before using a theme park as shown in AutoCAD, it's important to do your research.



What is the <b>intention</b> of the action? What is the <b>goal</b> ?	How many <b>people</b> are in the group? Is the <b>group</b> free?	How <b>important</b> is the <b>group</b> to the <b>group</b> ? Is the <b>group</b> free?	What is the <b>goal</b> of the action? Is the <b>goal</b> free?
Can you <b>play</b> the <b>game</b> ?	Can you <b>play</b> the <b>game</b> ?	Can you <b>play</b> the <b>game</b> ?	Can you <b>play</b> the <b>game</b> ?

## PARKING GARAGE

Five different parking garages for the guests of Antaresport. Due to the high attendance, there are many vehicles in each parking garage!

Parking Garage B 11,675	Parking Garage C 10,756	Parking Garage D 9,438	Parking Garage E 8,369
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many total cars are in Garage A and Garage D? \_\_\_\_\_

is the sum of the cars in Garage B and Garage C? \_\_\_\_\_

is the difference of number of cars in Garage C and Garage D? \_\_\_\_\_

are fewer cars in Garage E than Garage D? \_\_\_\_\_

There are 879 more cars entering Antelopeville. If they all go to Garage E, how many cars will Garage E have? \_\_\_\_\_

in numbers were recorded for each of the garages, 699 cars had already left and number of cars in Garage C? \_\_\_\_\_

can hold 10,000 cars. How many more cars can Garage E hold until it is full? \_\_\_\_\_

cars are in Garage A and Garage C combined? \_\_\_\_\_

## HOW LONG IS THE WAIT

The only real threat to the network is the real-time data stream.



Find the difference between the sum of the two longest and the two shortest sides of the triangle.

## HOW TALL IS THAT RIDE

There are some 10,000 tall tales of North American geography. All of the tales are concerned in some way with the height of the land. The information helps to solve problems about the height of the

Sub	Height in Centimeters	Height in the Nearest 10	Height in the Nearest 100	Height in the Nearest 1000
Miss Beaker	118 cm			
Edmond	120 cm			
Thurston	167 cm			
Missed Guitars	101 cm			
Faye	121 cm			
Emerson	101 cm			
Swaggett	61 cm			
Cartwright	101 cm			
Miss Thorne	101 cm			
Black White	101 cm			

- What is the combined height of the Black Hills and Jacques? \_\_\_\_\_
- What is the difference in height of the El Estremo and Wood Chaparral? \_\_\_\_\_
- How many fewer palm-trees tall is the Chaparral than the Old Bluffs? \_\_\_\_\_
- How high will it be on the tops of the Temporal and Jacques than the Pops? \_\_\_\_\_
- What is the sum of Wood Chaparral and Pops? \_\_\_\_\_
- What more bamboo will it take to get 2400 palm-trees. He knows how many the Wood Chaparral takes and how many the Pops? \_\_\_\_\_
- Take away from Pops with a total height of 30000. What two inches will Pops go up? \_\_\_\_\_
- What is the total height of all of the trees together? \_\_\_\_\_

**VISIT THE GIFT SHOP**

The trip to Arnhemland is complete without a trip to the gift shop like the postcard to make the picture

[illegible]

## BALANCE THE BUDGET

For the People Step rule to work correctly, both sides of the step need to hold the same amount of weight (see the information on the tables below). To find out much weight the running room can hold, take note your calculations are accurate as the rules are really cool.

Left Side	Right Side
Row 1: 345	Row 1: 103
Row 2: 103	Row 2: 345
Row 3: 103	Row 3:
Row 4: 332	Row 4: 310
Row 5: 103	Row 5: 102

Left Side	Right Side
Row 1: 300	Row 1: 303
Row 2:	Row 2: 103
Row 3: 103	Row 3: 320
Row 4: 345	Row 4: 307
Row 5: 305	Row 5: 321

Left Side	Right Side
Row 1: 100	Row 1:
Row 2: 363	Row 2: 345
Row 3: 103	Row 3: 103
Row 4: 332	Row 4: 330
Row 5: 103	Row 5: 104

Left Side	Right Side
Row 1: 103	Row 1: 345
Row 2: 467	Row 2: 643
Row 3: 103	Row 3: 103
Row 4:	Row 4: 303
Row 5: 345	Row 5: 318

Left Side	Right Side
Row 1: 103	Row 1: 347
Row 2: 363	Row 2: 367
Row 3: 467	Row 3: 646
Row 4: 576	Row 4:
Row 5: 347	Row 5: 347

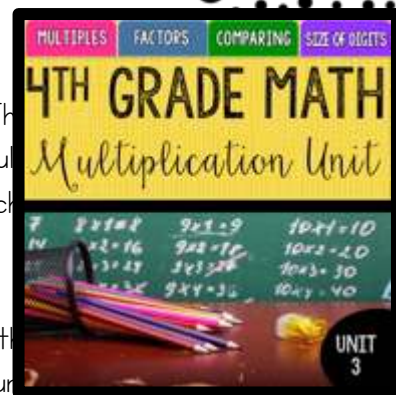
Left Side	Right Side
Row 1: 307	Row 1: 642
Row 2: 103	Row 2: 103
Row 3: 330	Row 3: 346
Row 4: 103	Row 4: 107
Row 5:	Row 5: 102



# Unit 3-Multiplication

I sincerely hope that you and your students enjoy this multiplication unit! The unit is aligned around the Common Core Standards, but you should find the content useful in your classroom. In this unit you will find performance tasks to conceptually teach multiplication, a workshop model, as well as work station activities and games for review.

I have included a suggested pacing guide below. I like to supplement my math lessons with a brief skill practice sheet each day. I plan to incorporate Tuesday's and Thursday's as math work stations. Even if you choose to not implement math work stations, I think you will find the games useful in any setting! As always, feel free to contact me if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)

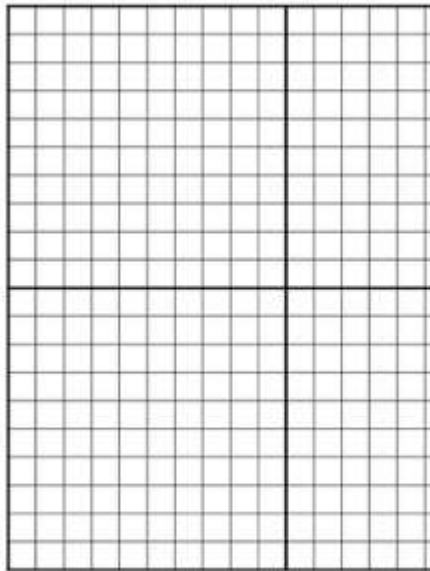


## Unit at a Glance

Multiples & Factors	Lesson 1  What are Multiples  Skill: Multiples Practice 1	Lesson 2  Multiples Booklet  Skill: Multiples Practice 2	Lesson 3  What are Factors  Skill: Factors Practice 1	Lesson 4  Rolling Factors and Multiples  Skill: Factors Practice 2	Lesson 5  Prime and Composite Numbers  Skill: Multiples and Factors Practice
	Lesson 6  Multiplication as Comparison  Skill: Multiplication as Comparison 1	Lesson 7  Roll and Compare  Skill: Multiplication as Comparison 2	Lesson 8  Comparing With 2-Digit Numbers  Skill: Multiplication as Comparison 3	Lesson 9  Multiplication Scavenger Hunt  Skill: Multiplying 2-Digit Numbers	Lesson 10  Multiplication vs. Addition  Skill: More 2-Digit numbers
Multiplying 3 and 4 Digit Numbers	Lesson 11  Using Area Models  Skill: Multiplying 3-Digit Numbers 1	Lesson 12  Partial Products  Skill: Multiplying 3-Digit Numbers 2	Lesson 13  More Area Models  Skill: Multiplying 4-Digit Numbers 1	Lesson 14  More Partial Products  Skill: Multiplying 4-Digit Numbers 2	Lesson 15  Multiplication Algorithm  Skill: Multiplying 4-Digit Numbers 3
	Lesson 16  Multiplying 2-Digit by Multiples of 10  Skill: Multiples of 10	Lesson 17  Extending Area Models  Skill: Area Models	Lesson 18  Extending Partial Product  Skill: 2-Digit by 2-Digit Numbers With Partial Product	Lesson 19  Roll and Multiply  Skill: Multiplying 2-Digit by 2-Digit Numbers	Lesson 20  Spin and Multiply  Skill: Multiplying 2-Digit by 2-Digit Numbers

# 20 Conceptual Lessons

## Base-Ten Paper Blocks



## NAMING NUMBER

Fill in the boxes for the numbers below.

1. 20,000      2. 5,000

Use dots on the place value chart to show the following numbers.

3. 20,100

hundred thousands	ten thousands	thousands	hundreds

4. Five hundred forty-four thousand, two hundred forty-two

hundred thousands	ten thousands	thousands	hundreds

5. 30,000

hundred thousands	ten thousands	thousands	hundreds

## PLACE VALUE SCAVENGER HUNT

Find a number with a...	The number I found is...	It's in on page...	The number tells me about...
5 in the ones place			
4 in the tens place			
3 in the hundreds place			
6 in the thousands place			
2 in the ten thousands place			
7 in the hundred thousands place			
Where the hundreds place has a value of 100			
Where the thousands place has a value of 1,000			
Where the ten thousands place has a value of 10,000			



# 20 Practice Sheets

## IF I HAD A MILLION DOLLARS

Students, today is your lucky day! You are in charge of spending \$1,000,000 as you wish, but it's a big job. As you choose your purchases, you will need to record the item, where it can be found, and the cost of the item. Don't worry about paying tax and you will need to keep a running total as you work so you can spend as close to \$1,000,000 as possible. You must purchase at least ten different items and to do this, you can purchase items for friends and family members too if you wish.

Item	Where the item can be found
1.	
2.	
3.	sub total
4.	
5.	sub total
6.	
7.	sub total
8.	
9.	sub total
10.	
	sub total

## TEN TIMES A NUMBER

Solve the multiplication problems. Then, show dots in the place value chart to show your answer or draw to show bonding.

1. 100 × 10 = \_\_\_\_\_

hundred thousands	ten thousands	thousands	hundreds	tens

2. 100 × 100 = \_\_\_\_\_

hundred thousands	ten thousands	thousands	hundreds	tens

3. 100,000 × 10 = \_\_\_\_\_

hundred thousands	ten thousands	thousands	hundreds	tens

4. 100,000 × 100 = \_\_\_\_\_

hundred thousands	ten thousands	thousands	hundreds	tens

## ANIMAL LINE UP

Cut out the pictures of the animals and glue them in the correct box according to the mass of each animal.

100,000 grams	10,000 grams	1,000 grams	100 grams	10 grams	1 gram

Use the chart above to write three 10 times larger statements.

1. _____
2. _____
3. _____

Use the chart above to write three 100 times larger statements.

1. _____
2. _____
3. _____

Use the chart above to fill in the blanks.

- The \_\_\_\_\_ is 10 times larger than the hummingbird.
- The lion is 100 times larger than the \_\_\_\_\_.
- The \_\_\_\_\_ is 1,000 times larger than the butterfly.
- The duck is 10 times larger than the \_\_\_\_\_.



# Unit 4-Division



I sincerely hope that you and your students enjoy this division unit! This unit aligns with the Common Core Standards, but you should find the content useful in any setting. In this unit you will find performance tasks to conceptually teach new skills through as well as work station activities and games for review.

I have included a suggested pacing guide below. I like to supplement my math with a brief skill practice sheet each day. I plan to incorporate Tuesday's and Thursday's lessons into my math work stations. Even if you choose to not implement math work stations, I think you will find the games useful in any setting! As always, feel free to contact me if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)

## Unit at a Glance

Introducing Division	Lesson 1  Connecting Multiplication and Division  Skill: Representing Multiplication & Division	Lesson 2  Musical Division  Skill: Division With Remainders-1	Lesson 3  Interpreting Remainders  Skill: Interpreting Remainders	Lesson 4  Remainder Game  Skill: Division With Remainders-2	Lesson 5  Divide by Multiples of Ten  Skill: Dividing by Multiples of Ten
Dividing 2 Digit Numbers	Lesson 6  Division With Manipulatives  Skill: Dividing by Multiples of Ten	Lesson 7  Area Models  Skill: Missing Numbers	Lesson 8  More Area Models  Skill: Dividing With Area Models	Lesson 9  Division With Partial Quotient  Skill: Partial Quotient Practice	Lesson 10  Division in Context  Skill: More Partial Quotient
Dividing 3 Digit Numbers	Lesson 11  3-Digit Division With Manipulatives  Skill: Spin and Divide	Lesson 12  3 Digit Area Model  Skill: Area Model Practice 1	Lesson 13  3 Digit Partial Quotient  Skill: Partial Quotient 1	Lesson 14  Mixing Strategies  Skill: Multi Digit Division	Lesson 15  Division Garden  Skill: Spin a Quotient
Dividing 4-Digit Numbers	Lesson 16  4-Digit Division With Manipulatives  Skill: Spin and Divide	Lesson 17  4 Digit Area Models  Skill: Area Model Practice 2	Lesson 18  4 Digit Partial Quotient  Skill: Partial Quotient 2	Lesson 19  Interpreting Remainders  Skill: Interpreting Remainders Sort	Lesson 20  Party Planning  Skill: The Remainder Game 2



# 20 Conceptual Lessons

**Division with Area Models**

Directions: Solve the following division problems using the area model.

Example 1:  $82 \div 6$

Step 1: Write the divisor on the left side of the box.

Step 2: If you have a 2-digit number, divide your box into two sections. One for the tens place and one for the ones place.

Step 3: Find how many times you can multiply by 6 to get the number closest to, but less than 82. Since 256 is too large, we should use 216, which is 60. Write the 10 on top of the box.

Step 4: Subtract the product of 6x10 from the dividend.

Step 5: Move the difference to the next box.

Step 6: Find how many times you can multiply by 6 to get the number closest to, but less than 27. Since 256 is too large, we should use 216. Write the 4 on top of the second box.

Step 7: Subtract the product of 6x4 from the number in the box. The difference is the remainder.

Quotient:  $87 \div 6 = 14$

Add the numbers on the top of the box for the quotient.

$87 \div 6 = 14$

**Relating Multiplication & Division**

Picture	Division Equation	Multiplication Equation

**DIVISION WITH THE AREA MODEL**

Directions: Solve the following division problems using the area model.

Example 1:  $65 \div 3$

Example 2:  $79 \div 4$

Example 3:  $84 \div 5$

Example 4:  $56 \div 3$

# 20 Practice Sheets

**Division Garden**

- There are 56 apples growing on six trees in the garden. Each tree holds the same number of apples. Draw ONE of the apple trees and the CORRECT number of apples on the tree.
- There are 306 blueberries grown on nine different blueberry bushes. Each bush contains the same number of blueberries. Draw ONE of the blueberry bushes and the CORRECT number of blueberries on that bush.
- There are 108 broccoli plants growing in three rows. Draw an array to show the shape of broccoli.
- All 252 carrots are grown in nine rows. Draw an array to show the shape of carrots.
- Farmer Brown is growing 12 heads of lettuce. The lettuce is planted in four rows.
- There are pumpkins growing, and will be ready to harvest full in time for Fall. There are 120 pumpkins planted in eight rows.
- Several months ago, Farmer Brown planted 105 bean seeds in five rows. Now the beans are growing quickly and are almost ready to be picked.
- The sweet root of corn stalks are growing tall. The 18 corn stalks provide a great wind break at the edge of the garden.
- Everyone says that the tomatoes in this garden are the best! There are 144 tomato plants growing in six different rows.
- There are flowers and herbs growing in the empty spaces. You're welcome to organize them the way you think would best fit in Division Garden.

To give yourself a little extra room, simply tape or glue two pieces of grid paper together. Since the Division Garden is so large, you'll probably want the extra space. You should also label everything (like each crop with the name of the space). You can write your labels on the grid so they are not distracting, but make sure they are easily seen. Most importantly, make sure your division is accurate.

**DIVISION In Context**

Number in Each Group	Number in Total
equally planted 9 seeds in planted 7 seeds in each any rows did he plant? 13	There were 84 lily pads. How many on each lily pad? 2
practice, the girls kicked 98 which girl kicked 7 goals, how were at practice? 14	The football coach into four bags. How were in each bag?
ice boxes and placed them as of six. How many juice boxes did I have?	There were 81 four equally into three classes. How many each class? 27
I had 96 books. She placed on a shelf. How many books did she have? 24	There were 15 she in five chicken pens, chickens were in a
graders collected 87 into. Each child received 1. How many friends shared into? 29	The florist had 14 placed them into many roses were many were

**3-DIGIT DIVISION WITH MANIPULATIVES**

Hundreds	Tens	Ones
946 ÷ 6		
782 ÷ 4		

# Unit 5-Fractions

I sincerely hope that you and your students enjoy this fraction unit! This unit has Common Core Standards, but you should find the content useful in any fourth grade math curriculum. I will find performance tasks to conceptually teach new skills through the workshop model. I will find activities and games for review. I have included a suggested pacing guide below. Ask me if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)

## Unit at a Glance



Concept of Fractions	Lesson 1  Equal Parts  Skill: Finding Equal Parts	Lesson 2  Fraction Pizza  Skill: Fractions in a Set	Lesson 3  More or Less Than One  Skill: Label the Fraction	Lesson 4  Mixed Numbers  Skill: Number Line Cut and Paste	Lesson 5  Fraction Size  Skill: Spin the Fraction
	Lesson 6  Fraction Line Up  Skill: Comparing Fractions	Lesson 7  Comparing Fractions  Skill: Shade and Compare	Lesson 8  Problem Solving With Fractions  Skill: Comparing Fractions	Lesson 9  Rolling Fractions  Skill: Fraction Word Problems	Lesson 10  Fraction Skittles  Skill: Fraction Word Problems 2
	Lesson 11  Finding Fraction Equivalencies  Skill: Equivalent Fraction Bars	Lesson 12  Missing Numbers  Skill: Shade and Find the Equivalent Fraction	Lesson 13  Partitioning Squares  Skill: Missing Numbers	Lesson 14  Fraction Problem Solving  Skill: Generating Equiv. Fractions	Lesson 15  Pattern Block Fractions  Skill: Fraction Mystery Picture
	Lesson 16  Fraction Brownies  Skill: Fraction Review	Lesson 17  Fraction Games  Skill: Decompose the Fraction	Lesson 18  Fraction Quilts  More Decomposing Numbers	Lesson 19  Adding & Subtracting Problem Solving Skill: Adding Fractions	Lesson 20  Pizza Fractions  Skill: Subtracting Fractions
	Lesson 21  Multiplication in Context  Skill: Repeated Addition	Lesson 22  Explaining the Algorithm  Skill: Basic Multiplication	Lesson 23  Fraction Pizza  Skill: More Multiplication	Lesson 24  Field Trip Dilemma  Skill: Multiplying Fractions	Lesson 25  Playground Design  Skill: Multiplication Word Problems

# 25 Conceptual Lessons

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## FRACTION SIZE

Write a fraction that is close to 1 but not more than 1.

Name another fraction that is even closer to 1.

Name another fraction that is even closer to 1.

Name another fraction that is even closer to 1.

Explain how you know each fraction you wrote was closer to one than the previous fraction.

---

Write a fraction that is close to 0.

Name another fraction that is even closer to 0.

Name another fraction that is even closer to 0.

Name another fraction that is even closer to 0.

Explain how you know each fraction you wrote was closer to zero than the previous fraction.

---

Write a fraction that is close to  $\frac{1}{2}$  but not more than  $\frac{1}{2}$ .

Name another fraction that is even closer to  $\frac{1}{2}$ .

Name another fraction that is even closer to  $\frac{1}{2}$ .

Name another fraction that is even closer to  $\frac{1}{2}$ .

Explain how you know each fraction you wrote was closer to one than the previous fraction.

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## PROBLEM SOLVING WITH FRACTIONS

Write two different fractions that add up to the question mark:  $2\frac{1}{2} + \frac{2}{3} + \frac{1}{6} = ?$

Explain why the fractions you wrote replace the question mark.

---

Order these fractions from greatest to least:  $\frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}$

---

Circle all the inequalities that are true. Then, in the space to the right rewrite the statement to make it true.

$\frac{1}{2} > \frac{1}{3}$	$\frac{1}{3} < \frac{1}{4}$	$\frac{1}{4} > \frac{1}{5}$
$\frac{1}{2} < \frac{1}{3}$	$\frac{1}{3} > \frac{1}{4}$	$\frac{1}{4} < \frac{1}{5}$

---

Clarify: Carlos, Layla, Elena, and Victoria each had a chocolate bar. Each chocolate bar was  $\frac{1}{2}$  of a pound.

- Carlos ate  $\frac{1}{4}$  of her chocolate bar.
- Caro ate  $\frac{1}{4}$  of her chocolate bar.
- Layla ate  $\frac{1}{4}$  of her chocolate bar.
- Elena ate  $\frac{1}{4}$  of her chocolate bar.
- Victoria ate  $\frac{1}{4}$  of her chocolate bar.

Who ate the most chocolate?

Who ate the least amount of chocolate?

How could we order the fractions from the least amount to the greatest amount?

Ask: How do you know? Show the steps below to answer the question.

Ask: How do you know? Show the steps below to answer the question.

Ask: How do you know? Show the steps below to answer the question.

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## Fraction Skittles

Open your bag of Skittles and find the fractional part of each color Skittle included in the bag.

Red \_\_\_\_\_ Orange \_\_\_\_\_ Green \_\_\_\_\_ Yellow \_\_\_\_\_ Purple \_\_\_\_\_

Find a partner who has a DIFFERENT denominator than you have. Compare your fractional part of each color Skittle and record your answer in the table below. You are Partner A.

Red		Orange		Green		Yellow		Purple	
Partner A	Partner B	Partner A	Partner B	Partner A	Partner B	Partner A	Partner B	Partner A	Partner B
Comparison Statement		Comparison Statement		Comparison Statement		Comparison Statement		Comparison Statement	

Find another partner who has a DIFFERENT denominator than you have. Compare your fractional part of each color Skittle and record your answer in the table below.

Red		Orange		Green		Yellow		Purple	
Partner A	Partner B	Partner A	Partner B	Partner A	Partner B	Partner A	Partner B	Partner A	Partner B
Comparison Statement		Comparison Statement		Comparison Statement		Comparison Statement		Comparison Statement	

Which partner received the greatest fractional part of each color Skittle?

Which partner received the greatest fractional part of each color Skittle?

# 25 Skills Practice Printables

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## Partitioning Squares

Shade three-fourths of Fraction A, Fraction B, Fraction C, and Fraction D.

Partition Fraction A into 3 equal rows (horizontal lines).

Partition Fraction B into 4 equal rows.

Partition Fraction C into 2 equal rows.

Partition Fraction D into 3 equal rows.

For each fraction, write an equation that shows the equivalent fraction.

Square A	Square B	Square C	Square D
$\frac{3}{4} = \frac{3}{4}$	$\frac{3}{4} = \frac{3}{4}$	$\frac{3}{4} = \frac{3}{4}$	$\frac{3}{4} = \frac{3}{4}$

Look at the fractions above. What patterns do you notice?

---

Square A

Square B

Square C

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## Fraction Card

The great Winter Games are held in Colorado this year. Students and the Snow Board Long Jump. Use the table below to answer the questions.

Name	1 <sup>st</sup> Jump	2 <sup>nd</sup> Jump
Piper	56 $\frac{1}{2}$ feet	45 $\frac{1}{2}$
Shaw	45 $\frac{1}{2}$	40 $\frac{1}{2}$
Stake	54 $\frac{1}{2}$	46 $\frac{1}{2}$
Stromme	56 $\frac{1}{2}$	48 $\frac{1}{2}$
Tori	53 $\frac{1}{2}$	56 $\frac{1}{2}$

Name	1 <sup>st</sup> Jump	2 <sup>nd</sup> Jump
Wilson	32 $\frac{1}{2}$	38 $\frac{1}{2}$
Adrian	34 $\frac{1}{2}$	33 $\frac{1}{2}$
Adriana	40 $\frac{1}{2}$	33 $\frac{1}{2}$
Cullen	35 $\frac{1}{2}$	48 $\frac{1}{2}$
Chandler	38 $\frac{1}{2}$	36 $\frac{1}{2}$

Who jumped the farthest snow jump?

Who jumped the farthest snow board?

What is the difference between the farthest distance snow jump?

What is the total distance jumped with all snow jumpers?

What is the difference between the total distance jump?

NAME \_\_\_\_\_ DATE \_\_\_\_\_

## Explaining the Algorithm

Use the squares to draw an area model to represent and solve the multiplication problems below. Then, explain your reasoning in words.

$3 \times 1$

$6 \times 1$

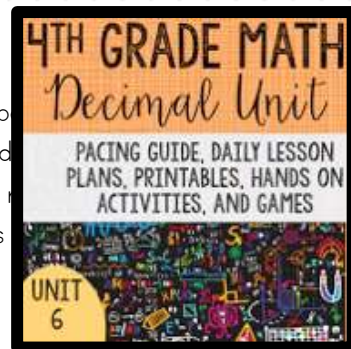
$4 \times 1$

$4 \times 1$



# Unit 6-Decimals

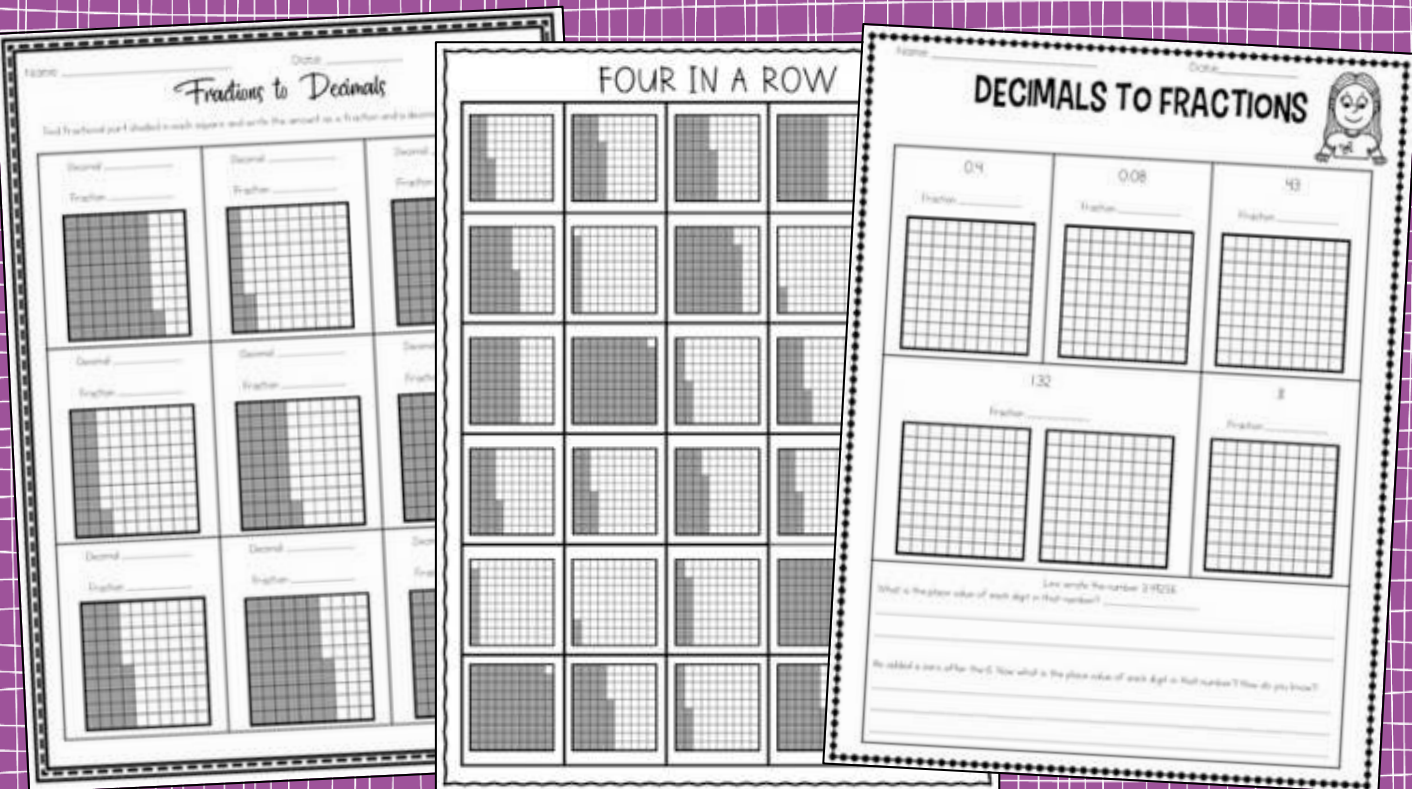
I sincerely hope that you and your students enjoy this fraction unit! This unit has been aligned to the Common Core Standards, but you should find the content useful in any fourth grade math classroom. I will find performance tasks to conceptually teach new skills through the workshop model. I will find activities and games for review. I have included a suggested pacing guide below. As always, please let me know if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)



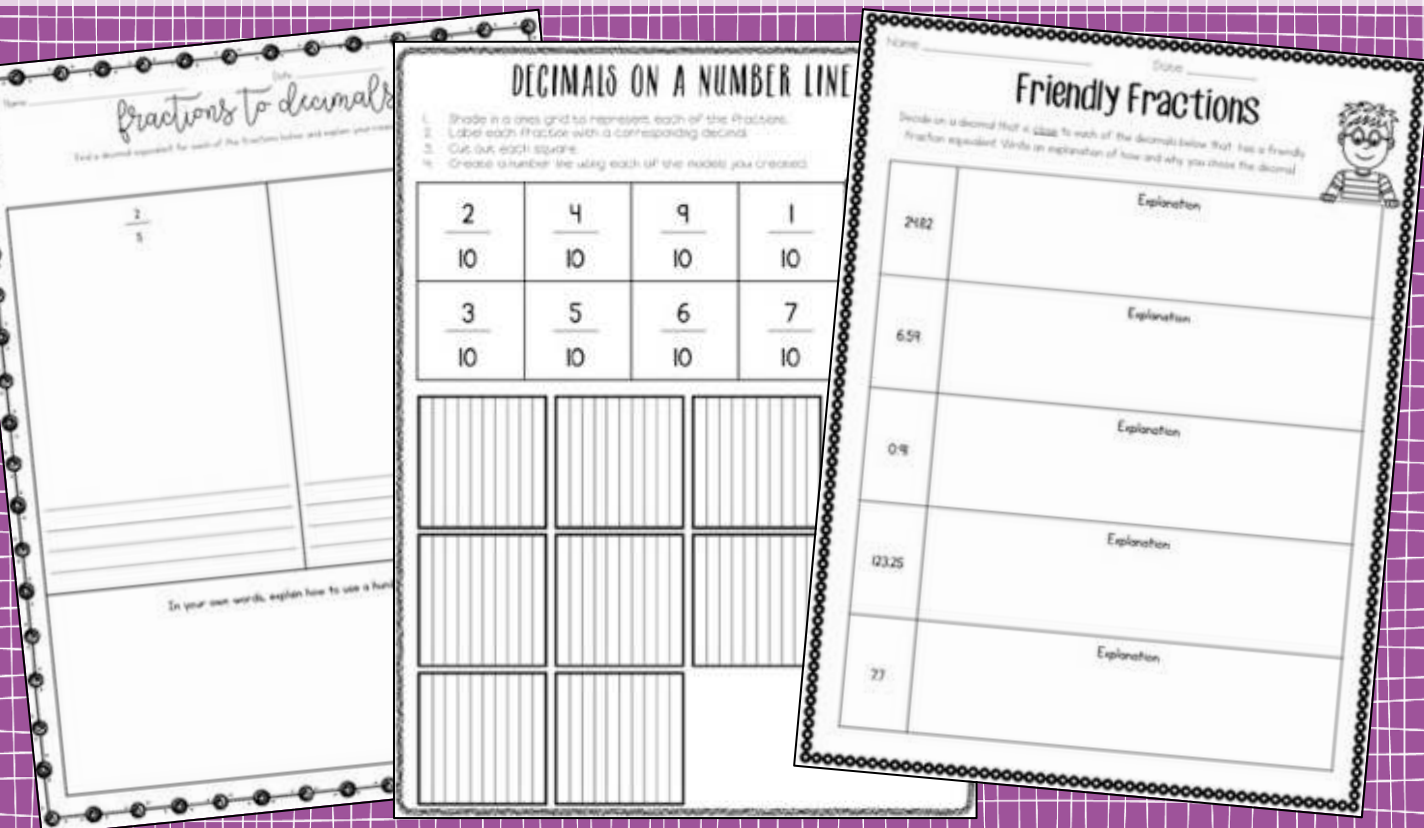
## Unit at a Glance

Introducing Decimals	<p>Lesson 1</p> <p>Reviewing 10 to 1 Place Value Relationship</p> <p>Skill: Size of Digits</p>	<p>Lesson 2</p> <p>Role of the Decimal Point</p> <p>Skill: Shade the Fraction</p>	<p>Lesson 3</p> <p>Fractions to Decimals</p> <p>Skill: Shade the Decimal</p>	<p>Lesson 4</p> <p>Four in a Row</p> <p>Skill: Forms of Decimals</p>	<p>Lesson 5</p> <p>Decimals to Fractions</p> <p>Skill: Spin the Decimal</p>
Developing Number Sense	<p>Lesson 6</p> <p>Fractions to Decimals</p> <p>Skill: Writing Fractions as Decimals</p>	<p>Lesson 7</p> <p>Fractions to Decimals Continued</p> <p>Skill: Writing Fractions as Decimals</p>	<p>Lesson 8</p> <p>Problem Solving With Fractions</p> <p>Skill: Comparing Fractions</p>	<p>Lesson 9</p> <p>Decimals on a Number Line</p> <p>Skill: Identifying Fractions</p>	<p>Lesson 10</p> <p>Friendly Fractions</p> <p>Skill: Drawing Decimals</p>
Comparing and Ordering Decimals	<p>Lesson 11</p> <p>Best Match</p> <p>Skill: Comparing Decimals With Models</p>	<p>Lesson 12</p> <p>Line the Fractions Up</p> <p>Skill: Comparing Decimals With Models</p>	<p>Lesson 13</p> <p>Nice Numbers</p> <p>Skill: Comparing Decimals</p>	<p>Lesson 14</p> <p>Decimal War</p> <p>Skill: Comparing Decimals</p>	<p>Lesson 15</p> <p>Decimal Pictures</p> <p>Skill: Ordering Decimals</p>
Decimal Problem Solving	<p>Lesson 16</p> <p>Decimal Models</p> <p>Skill: Adding Fractions-Part 1</p>	<p>Lesson 17</p> <p>Decimal Scavenger Hunt</p> <p>Skill: Adding Fractions-Part 2</p>	<p>Lesson 18</p> <p>Dog Sitting Services</p> <p>Skill: Adding Fractions-Part 3</p>	<p>Lesson 19</p> <p>Decimal Matching</p> <p>Skill: Adding Fractions-Part 4</p>	<p>Lesson 20</p> <p>Decimal Problem Solving</p> <p>Skill: Decimal Practice</p>

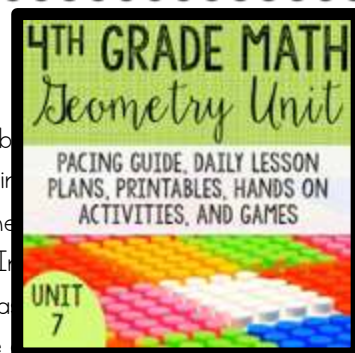
# 20 Conceptual Lessons



# 20 Skills Practice Printables



# Unit 7-Geometry



I sincerely hope that you and your students enjoy this geometry unit! You'll probably find it a bit shorter than the previous fourth grade units, which will give us just enough time (measurement) to be taught before state testing begins. This unit has been designed to meet Standards, but you should find the content useful in any fourth grade classroom. It includes performance tasks to conceptually teach new skills through the workshop model, and games for review. Before beginning this unit, I like to send home a study guide that is included in the unit, because a great deal of geometry is dependent on basic vocabulary. I have included the study guide I sent home, as well as a geometry booklet that students can make to review geometric terms. I have also included a suggested pacing guide below. If you are in an absolute rush (I know, I know, I wish that never happened, but it does), I have included a one week consolidated pacing guide. As always, feel free to contact me if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)

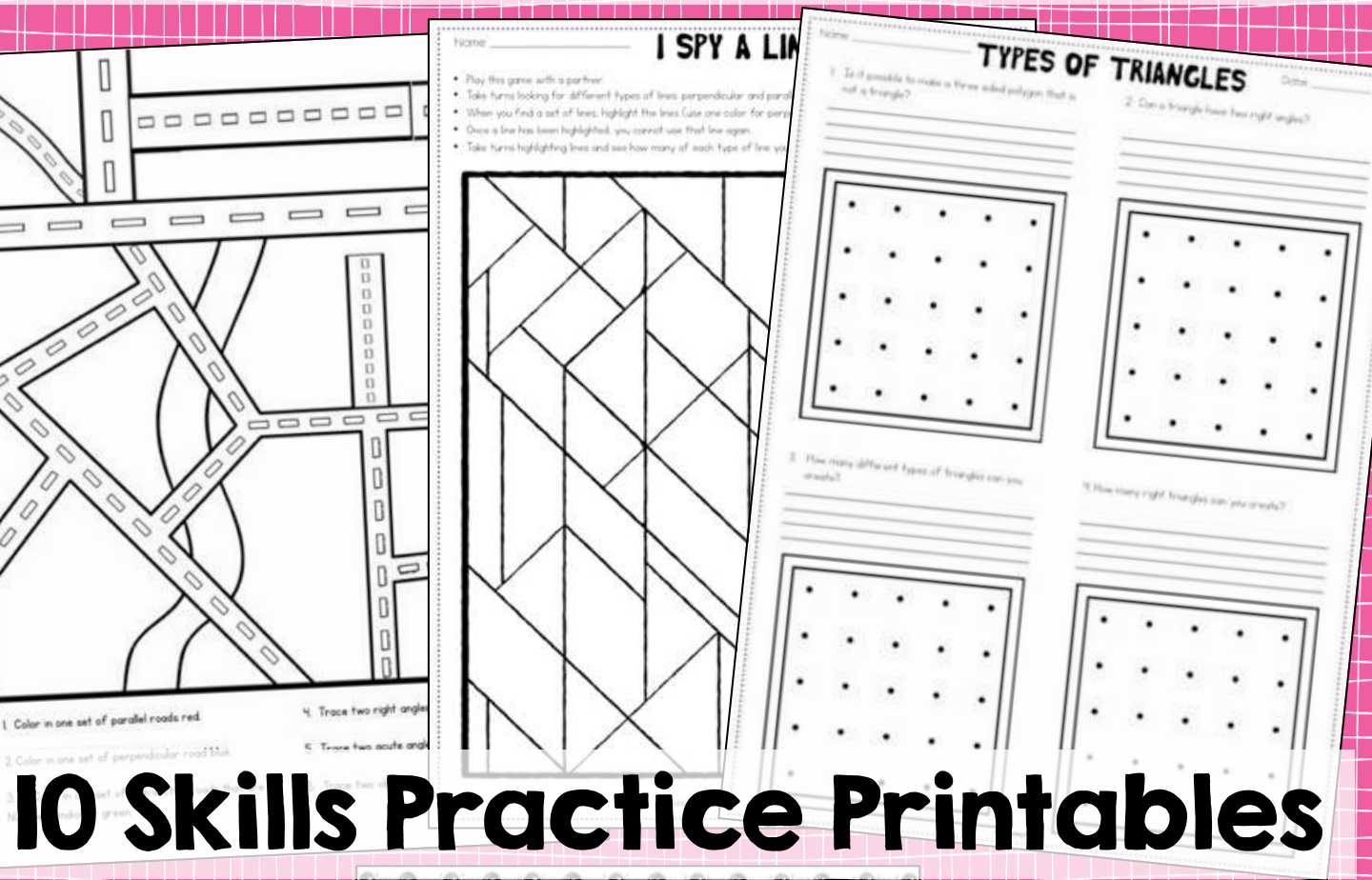
## Unit at a Glance

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Monster Symmetry	Alphabet Symmetry	Types of Angles	Finding Lines in Maps	Lines Art Project
Skill: Vocabulary Booklet	Skill: Symmetry Practice and/or Add to Vocabulary Booklet	Skill: Identify the Angle and/or Add to Vocabulary Booklet	Skill: Types of Lines Sort	Skill: I Spy a Line
Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
Types of Triangles	Grandfather Tang's Story	Sorting Shapes	Geometry Stations	Geometry Park
Skill: Triangles Practice	Skill: Quadrilateral Practice	Skill: Drawing Quadrilaterals	Skill: Spin a Shape	

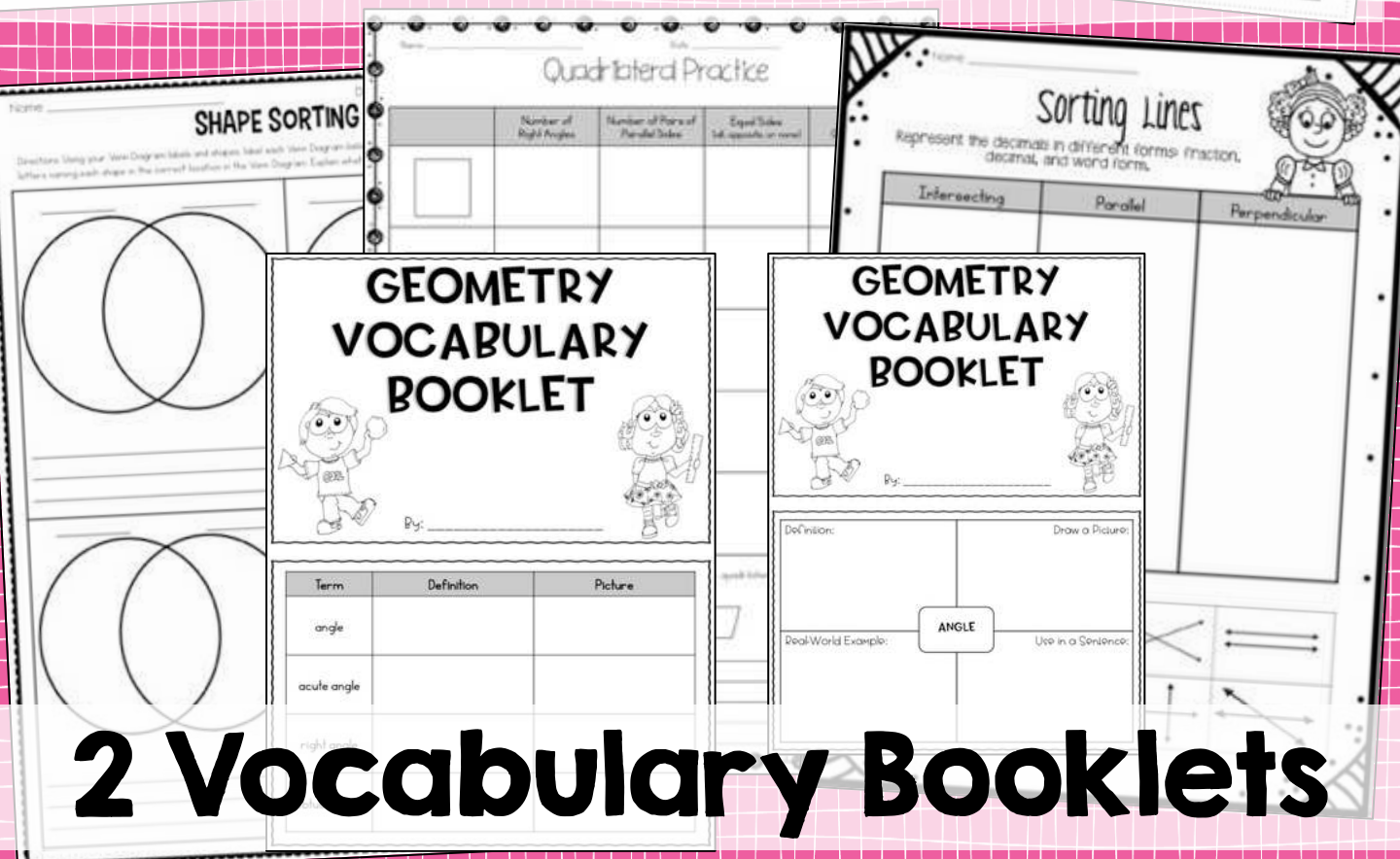
If You're In a Rush:	Lesson 2 & 3	Lesson 4 & 6	Lesson 8	Lesson 9	Lesson 10
	Types of Angles & Alphabet Symmetry	Types of Lines in Maps & Types of Triangles	Sorting Shapes	Geometry Stations	Geometry Park
	Skill: Vocabulary Booklet		Skill: Drawing Quadrilaterals	Skill: Drawing Quadrilaterals	



# 10 Conceptual Lessons



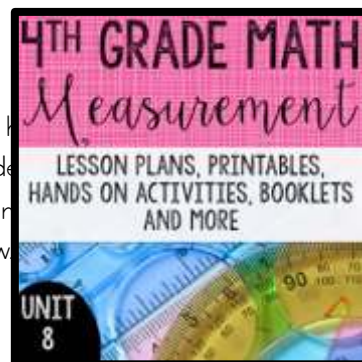
## 10 Skills Practice Printables



## 2 Vocabulary Booklets

# Unit 8-Measurement

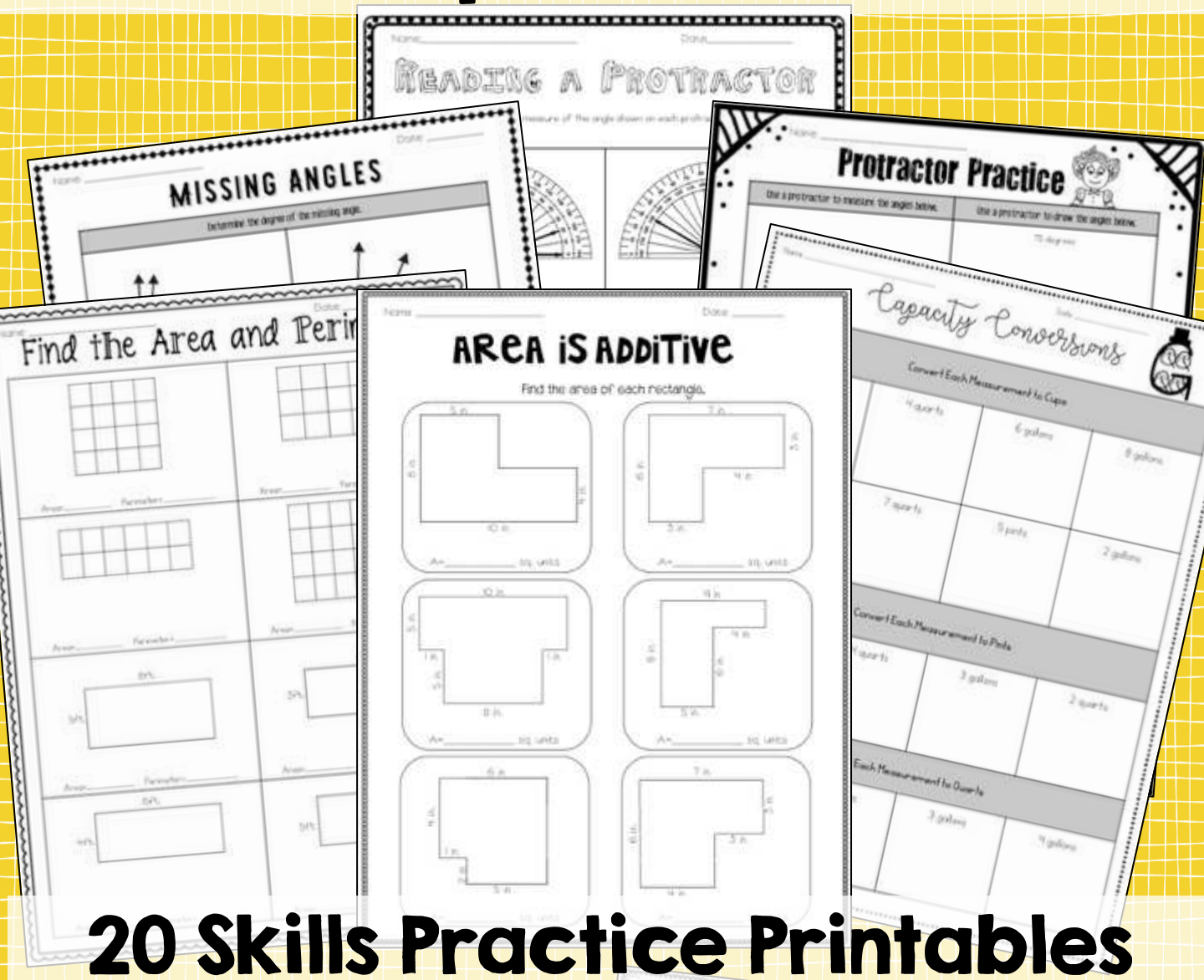
I sincerely hope that you and your students enjoy this measurement unit! This unit is aligned with the Common Core Standards, but you should find the content useful in any fourth grade math classroom. I will find performance tasks to conceptually teach new skills through the workshop model. I will also find activities and games for review. I have also included a suggested pacing guide below. If you would like to contact me if you have any questions. [ashleigh\\_60@hotmail.com](mailto:ashleigh_60@hotmail.com)



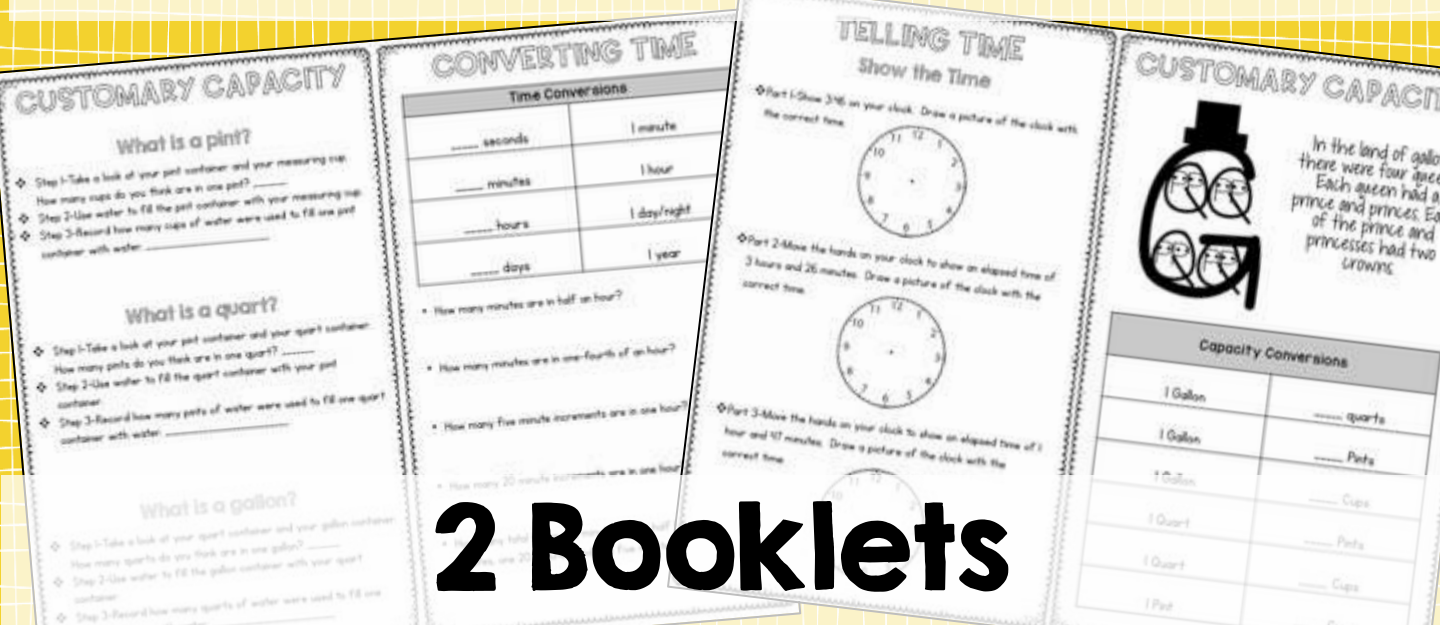
## Unit at a Glance

Angles	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
	Measuring Angles	Make a Protractor	Using a Protractor	Splitting Angles	Angle Town
	Skill: Types of Angles	Skill: Reading a Protractor	Skill: Drawing Angles	Skill: Protractor Practice	Skill: Missing Angles
Measurement Conversions	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
	Party Punch	Filling Paint	Weight Word Problems	Baker's Dilemma	Reading a Ruler
	Skill: Capacity Conversion	Skill: Converting Liters to Milliliters	Skill: Weight Conversions	Skill: Mass Conversions	Skill: Length Conversion
Measurement Conversions Area & Perimeter	Lesson 11	Lesson 12	Lesson 13	Lesson 14	Lesson 15
	Map My Run	Daily Schedule	Fixed Area and Perimeter	Pentomino Perimeter and Area	Area Garden
	Skill: Converting Metric Length	Skill: Converting Time	Skill: Find the Area and Perimeter	Skill: Draw the Area & Perimeter	Skill: Area is Additive
Area & Perimeter & Line Plots	Lesson 16	Lesson 17	Lesson 18	Lesson 19	Lesson 20
	Design a Mall	Construction Decisions	Area and Perimeter Booklet	Pencil Line Plot	Line Plot Recipes
	Skill: Find the Missing Side	Skill: Two Step Word Problems	Skill: Spin and Cover	Skill: Reading a Line Plot	Skill: Line Plot Practice

# 20 Conceptual Activities



## 20 Skills Practice Printables



## 2 Booklets



# Teacher Notes

Texas Teachers, I haven't forgotten about you! I've included a standards layout for 4<sup>th</sup> grade math TKES. The Knowledge and Skills standards are embedded throughout the entire math unit. I have also embedded the algebraic reasoning standard throughout all of the units. One notable difference is that the place value lessons go through the millions place in this math unit. To accommodate for those differences, I have included an extra folder where printables have been modified for TKES. I've indicated those lessons with a \*. This unit does not include personal financial literacy.

## Place Value Unit at a Glance

Representing Numbers	Lesson 1 What Comes Next 4.2B	Lesson 2* Naming Numbers 4.2B	Lesson 3* Forms of Numbers 4.2B	Lesson 4* Place Value Scavenger Hunt 4.2B	Lesson 5* If I Had a Million Dollars 4.2B
Size of Digits & Comparing Numbers	Lesson 6 Ten Times a Number 4.2A, 4.4B	Lesson 7 Dividing by Ten 4.2A	Lesson 8 Animal Line Up 4.2A, 4.4B	Lesson 9* Comparing Numbers 4.2C	Lesson 10 Comparing and Ordering Numbers 4.2C
Rounding	Lesson 11 Nice Numbers 4.2D, 4.4G	Lesson 12 Making the Rounds 4.2D, 4.4G	Lesson 13 Finding the Midpoint 4.2D, 4.4G	Lesson 14 Roll and Round 4.2D, 4.4G	Lesson 15 Rounding Scavenger Hunt 4.2D, 4.4G

# Addition & Subtraction

## Unit at a Glance

Week 1	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
	Adding 3 Digit by 3 Digit Numbers  4.4A	Adding 4 Digit by 4 Digit Numbers  4.4A	Adding 4 Digit by 5 Digit Numbers  4.4A	Adding 6 Digit by 6 Digit Numbers  4.4A	Subtracting 2 Digit by 2 Digit Numbers  4.4A
Week 2	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
	Subtracting 3 Digit by 3 Digit Numbers  4.4A	Subtracting 4 Digit by 4 Digit Numbers  4.4A	Subtracting 5 Digit by 5 Digit Numbers  4.4A	Subtracting 6 Digit by 6 Digit Numbers  4.4A	Subtracting Across Zeroes  4.4A

# Multiplication

## Unit at a Glance

Multiples & Factors	Lesson 1 What are Multiples	Lesson 2 Multiples Booklet	Lesson 3 What are Factors	Lesson 4 Rolling Factors and Multiples	Lesson 5 Prime and Composite Numbers
	Lesson 6 Multiplication as Comparison	Lesson 7 Roll and Compare	Lesson 8 Comparing With 2-Digit Numbers	Lesson 9 Multiplication Scavenger Hunt	Lesson 10 Multiplication vs. Addition Comparison
Multiplying 3 and 4 Digit Numbers	Lesson 11 Using Area Models 4.4C & 4.4D	Lesson 12 Partial Products 4.4C & 4.4D	Lesson 13 More Area Models 4.4C & 4.4D I	Lesson 14 More Partial Products 4.4C & 4.4D	Lesson 15 Multiplication Algorithm 4.4C & 4.4D
	Lesson 16 Multiplying 2-Digit by 2 by Multiples of 10 4.4C & 4.4D	Lesson 17 Extending Area Models 4.4C & 4.4D	Lesson 18 Extending Partial Product 4.4C & 4.4D	Lesson 19 Roll and Multiply 4.4C & 4.4D	Lesson 20 Spin and Multiply 4.4C & 4.4D



# Division

## Unit at a Glance

Introducing Division	Lesson 1  Connecting Multiplication and Division  Scaffolding Lessons	Lesson 2  Musical Division  Scaffolding Lessons	Lesson 3  Interpreting Remainders  Scaffolding Lessons	Lesson 4  Remainder Game  Scaffolding Lessons	Lesson 5  Divide by Multiples of Ten  Scaffolding Lessons
Dividing 2 Digit Numbers	Lesson 6  Division With Manipulatives  4.4E & 4.4F	Lesson 7  Area Models  4.4E & 4.4F	Lesson 8  More Area Models  4.4E & 4.4F	Lesson 9  Division With Partial Quotient  4.4E & 4.4F	Lesson 10  Division in Context  4.4E & 4.4F
Dividing 3 Digit Numbers	Lesson 11  3-Digit Division With Manipulatives  4.4E & 4.4F	Lesson 12  3 Digit Area Model  4.4E & 4.4F	Lesson 13  3 Digit Partial Quotient  4.4E & 4.4F	Lesson 14  Mixing Strategies  4.4E & 4.4F	Lesson 15  Division Garden  4.4E & 4.4F
Dividing 4-Digit Numbers	Lesson 16  4-Digit Division With Manipulatives  4.4E & 4.4F	Lesson 17  4 Digit Area Models  4.4E & 4.4F	Lesson 18  4 Digit Partial Quotient  4.4E & 4.4F	Lesson 19  Interpreting Remainders  4.4H	Lesson 20  Party Planning  4.4H

# Fractions Unit at a Glance

Concept of Fractions	<p>Lesson 1</p> <p>Equal Parts</p> <p>Scaffolding Lesson</p>	<p>Lesson 2</p> <p>Fraction Pizza</p> <p>Scaffolding Lesson</p>	<p>Lesson 3</p> <p>More or Less Than One</p> <p>Scaffolding Lesson</p>	<p>Lesson 4</p> <p>Mixed Numbers</p> <p>Scaffolding Lesson</p>	<p>Lesson 5</p> <p>Fraction Size</p> <p>Scaffolding Lesson</p>
Comparing Fractions	<p>Lesson 6</p> <p>Fraction Line Up</p> <p>4.3D</p>	<p>Lesson 7</p> <p>Comparing Fractions</p> <p>4.3D</p>	<p>Lesson 8</p> <p>Problem Solving With Fractions</p> <p>4.3D</p>	<p>Lesson 9</p> <p>Rolling Fractions</p> <p>4.3D</p>	<p>Lesson 10</p> <p>Fraction Skittles</p> <p>4.3D</p>
Equivalent Fractions	<p>Lesson 11</p> <p>Finding Fraction Equivalencies</p> <p>4.3C</p>	<p>Lesson 12</p> <p>Missing Numbers</p> <p>4.3C</p>	<p>Lesson 13</p> <p>Partitioning Squares</p> <p>4.3C</p>	<p>Lesson 14</p> <p>Fraction Problem Solving</p> <p>4.3C</p>	<p>Lesson 15</p> <p>Pattern Block Fractions</p> <p>4.3C</p>
Adding & Subtracting Fractions	<p>Lesson 16</p> <p>Fraction Brownies</p> <p>4.3E &amp; 4.3F</p>	<p>Lesson 17</p> <p>Fraction Games</p> <p>4.3E &amp; 4.3F</p>	<p>Lesson 18</p> <p>Fraction Quilts</p> <p>4.3A, 4.3B, 4.3E</p>	<p>Lesson 19</p> <p>Adding &amp; Subtracting Problem Solving</p> <p>4.3A, 4.3B, 4.3E</p>	<p>Lesson 20</p> <p>Pizza Fractions</p> <p>4.3E &amp; 4.3F</p>
Multiplying Fractions	<p>Lesson 21</p> <p>Multiplication in Context</p>	<p>Lesson 22</p> <p>Explaining the Algorithm</p>	<p>Lesson 23</p> <p>Fraction Pizza</p>	<p>Lesson 24</p> <p>Field Trip Dilemma</p>	<p>Lesson 25</p> <p>Playground Design</p>

# Decimals Unit at a Glance

Introducing Decimals	Lesson 1  Reviewing 10 to 1 Place Value Relationship  4.2E & 4.2G	Lesson 2  Role of the Decimal Point  4.2E & 4.2G	Lesson 3  Fractions to Decimals  4.2E & 4.2G	Lesson 4  Four in a Row  4.2E & 4.2G	Lesson 5  Decimals to Fractions  4.2E & 4.2G
Developing Number Sense	Lesson 6  Fractions to Decimals  4.2E & 4.2G	Lesson 7  Fractions to Decimals Continued  4.2E & 4.2G	Lesson 8  Problem Solving With Decimals  4.2E & 4.2G	Lesson 9  Decimals on a Number Line  4.2H & 4.3G	Lesson 10  Friendly Fractions  4.2E & 4.2G
Comparing and Ordering Decimals	Lesson 11  Best Match  4.2F	Lesson 12  Line the Fractions Up  4.2F	Lesson 13  Nice Numbers  4.2F	Lesson 14  Decimal War  4.2F	Lesson 15  Decimal Pictures  4.2F
Decimal Problem Solving	Lesson 16  Decimal Models  4.4A	Lesson 17  Decimal Scavenger Hunt  4.2E & 4.2G, 4.4A	Lesson 18  Dog Sitting Services  4.2E & 4.2G, 4.4A	Lesson 19  Decimal Matching  4.2E & 4.2G, 4.4A	Lesson 20  Decimal Problem Solving  4.2E & 4.2G, 4.4A



# Geometry Unit at a Glance

Lesson 1 Monster Symmetry 4.6B	Lesson 2 Alphabet Symmetry 4.6B	Lesson 3 Types of Angles 4.6C	Lesson 4 Finding Lines in Maps 4.6A	Lesson 5 Lines Art Project 4.6A
Lesson 6 Types of Triangles 4.6C	Lesson 7 Grandfather Tang's Story 4.6D	Lesson 8 Sorting Shapes 4.6D	Lesson 9 Geometry Stations 4.6D	Lesson 10 Geometry Park 4.6D

# Measurement Unit at a Glance

In this unit, a dot plot is also described as a line plot. Stem and leaf plots are not included in this unit.

Angles	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
	Measuring Angles	Make a Protractor	Using a Protractor	Splitting Angles	Angle Town
	4.7A,B,C,D,E	4.7A,B,C,D,E	4.7A,B,C,D,E	4.7A,B,C,D,E	4.7A,B,C,D,E
Measurement Conversions	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10
	Party Punch	Filling Paint	Weight Word Problems	Baker's Dilemma	Reading a Ruler
	4.8A,B,C	4.8A,B,C	4.8A,B,C	4.8A,B,C	4.8A,B,C
Measurement Conversions Area & Perimeter	Lesson 11	Lesson 12	Lesson 13	Lesson 14	Lesson 15
	Map My Run	Daily Schedule	Fixed Area and Perimeter	Pentomino Perimeter and Area	Area Garden
	4.8A,B,C	4.8A,B,C	4.5B,C,D	4.5B,C,D	4.5B,C,D
Area & Perimeter & Line Plots	Lesson 16	Lesson 17	Lesson 18	Lesson 19	Lesson 20
	Design a Mall	Construction Decisions	Area and Perimeter Booklet	Pencil Line Plot	Line Plot Recipes
	4.5B,C,D	4.5B,C,D	4.5B,C,D	4.9A,B	4.9A,B