Mathematics Spiral Review Quarter 1.1
4th Grade

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

7 x 8= _____

48÷6= _____

Place Value (3.NBT.2)

The fourth grade is going on a field trip to Washington D.C. There are 132 fourth graders, 52 chaperones, and 5 teachers going on the trip. What is the total number of people attending the trip?

Show your work using a number line.

Estimation (3.NBT.1)

Mr. Smith was going on vacation to visit his family. He drove 158 miles on Saturday and 171 miles on Sunday. About how far did he travel altogether?

Skill of the Week (4.NBT.2)

Write the following number in standard and expanded form.

Three Hundred Twenty-Seven Thousand, Eight Hundred Two

Drawing/Picture (3.MD.7)

Roxanne wants to purchase carpet for her daughter's bedroom. If the bedroom is 7 ft by 9 ft, how much carpet should Roxanne buy?

Support your answer with an area model.

Measurement (3.MD.1)

At 3:00 p.m. Joseph gets home from school. It takes him 11 minutes to finish his math, he reads for 23 minutes and studies his spelling words for 9 minutes. If Joseph is allowed to play outside after he finishes his homework, until 4 p.m., how long will he get to play outside?

Use a number line to help solve the problem.

Mathematics Spiral Review Quarter 1.1
4th Grade Answer Key

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

7 x 8= _____56_____

48÷6= _____8_____

Place Value (3.NBT.2)

The fourth grade is going on a field trip to Washington D.C. There are 132 fourth graders, 52 chaperones, and 5 teachers going on the trip. What is the total number of people attending the trip?

Show your work using a number line.

189 People (Number lines may vary)
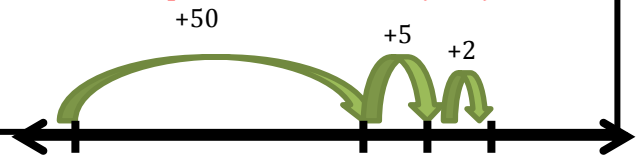
+50

+5   +2

Estimation (3.NBT.1)

Mr. Smith was going on vacation to visit his family. He drove 158 miles on Saturday and 171 miles on Sunday. About how far did he travel altogether?

Answers May Vary depending on how students round.
Students should round to a consistent place.
Ones= 160 + 170= 330 miles
Tens= 160 +170= 330 miles
Hundreds= 200+200= 400 miles2`

Skill of the Week (4.NBT.2)

Write the following number in standard and expanded form.

Three Hundred Twenty-Seven Thousand, Eight Hundred Two
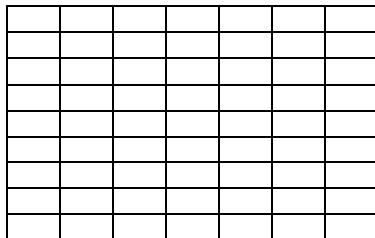
Standard= 327,802
Expanded= 300,000+20,000+7,000+800+2

Drawing/Picture (3.MD.7)

Roxanne wants to purchase carpet for her daughter's bedroom. If the bedroom is 7 ft by 9 ft, how much carpet should Roxanne buy?

Support your answer with an area model.

7x9= 63 ft^2

Measurement (3.MD.1)

At 3:00 p.m. Joseph gets home from school. It takes him 11 minutes to finish his math, he reads for 23 minutes and studies his spelling words for 9 minutes. If Joseph is allowed to play outside after he finishes his homework, until 4 p.m., how long will he get to play outside?

Use a number line to help solve the problem.

11+23+9=43 min. 60-43= 17 minutes

Mathematics Spiral Review Quarter 1.2
4th Grade

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

6 x 7= _____

56÷7= _____

Place Value (3.NBT.3)

Solve 9 x 40= _____

Show your thinking using numbers and/or words.

Estimation (4.NBT.3)

Round the number 473,292 to the nearest:

Hundred Thousands _____
Ten Thousands_____
Thousands_____
Hundreds _____
Tens _____

Skill of the Week (4.NBT.1)

What is the value of the digit "8" in the number 398,204?

What is the value of the digit "8" in the number 4,278?

How does the value of each "8" compare?

Drawing/Picture (3.MD.2)

Annie has rubber band that is 3 inches long. If the rubber band is able to stretch six times its normal length, how long can the rubber band be?

Draw a picture to support your answer.

Measurement (3.MD.3)

```
X           Favorite Sport
X
X                                X
X              X                 X
X              X                 X
_____|_____|_____|_____
     Soccer     Basketball    Hockey
```

How many students' favorite sport was soccer and hockey? _____

How many more students like basketball and soccer than hockey? _____

Mathematics Spiral Review Quarter 1.2
4th Grade- Answer Key

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

6 x 7= ____**42**_____

56÷7= _____**8**_____

Place Value (3.NBT.3)

Solve 9 x 40= _____360_____

Show your thinking using numbers and/or words.

Students should break 40 apart into 4x10.
9x (4 x 10) = ?
(9x4) x 10 = ?
36 x 10= 360

Estimation (4.NBT.3)

Round the number 473,292 to the nearest:

Hundred Thousands _____500,000_____
Ten Thousands_____470,000_____
Thousands_____473,000_____
Hundreds _____473,300_____
Tens _____473,290_____

Skill of the Week (4.NBT.1)

What is the value of the digit "8" in the number 398,204?   8,000
What is the value of the digit "8" in the number 4,278?   8
How does the value of each "8" compare?
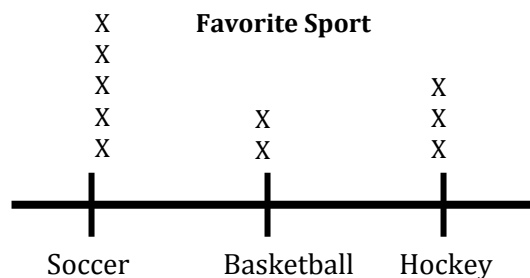8,000 is 1,000 x's greater than 8 or 10x10x10

Drawing/Picture (3.MD.2)

Annie has rubber band that is 3 inches long. If the rubber band is able to stretch six times its normal length, how long can the rubber band be? *Draw a picture to support your answer.*

3in x 6= 18 inches (Students should have a drawing or diagram drawn to support their answer.)

3in	3in	3in	3in	3in	3in

Measurement (3.MD.3)

Favorite Sport

```
X
X
X                              X
X             X                X
X             X                X
━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━
   Soccer   Basketball   Hockey
```

How many students' favorite sport was soccer and hockey? _____8_____

How many more students like basketball and soccer than hockey? _____4_____

Mathematics Spiral Review Quarter 1.3
4th Grade

Basic Computation *(3.OA.7)*

On a separate piece of paper, show how you found your product or quotient.

9 x 6 = _____

63÷7= _____

Place Value *(4.NBT.1)*

How is the 2 in the number 752 similar to and different from the 2 in the number 124?

Estimation *(4.NBT.3)*

The Carolina Hurricanes sold 16,432 tickets on Friday night. On Saturday they sold 21,349 tickets and on Sunday they sold 15,741 tickets. *About* how many tickets did they sell for all three games? *Round you answer to the nearest thousand.*

Skill of the Week *(4.NBT.4)*

Solve:

$$498,243 \\ +127,156$$

Drawing/Picture *(3.OA.3)*

There are 72 students in the fourth grade. If the teachers are trying to spilt the students into eight equal groups for a field trip, how many students should be in each group?

Draw a picture to support your answer.

Measurement *(3.MD.8)*

You have been hired by *Frames.com* to build four picture frames. Each frame will be 9 inches by seven inches.

How much wood will you need to purchase to build all four frames?

Mathematics Spiral Review Quarter 1.3
4th Grade – Answer Key

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

9 x 6 = _____**54**_____

63÷7= _____**9**_____

Place Value (4.NBT.1)

How is the 2 in the number 752 similar to and different from the 2 in the number 124?

The 2 in 124 is ten times larger than the 2 in 752. The value of the 2 in 752 is just 2 the value of the 2 in 124 is 20. They are in the ones and tens places.

Estimation (4.NBT.3)

The Carolina Hurricanes sold 16,432 tickets on Friday night. On Saturday they sold 21,349 tickets and on Sunday they sold 15,741 tickets. *About* how many tickets did they sell for all three games? *Round you answer to the nearest thousand.*

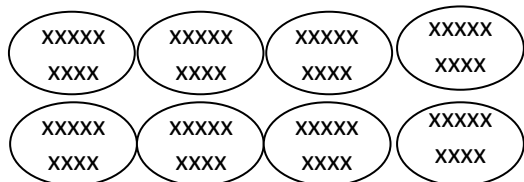16,000+ 21,000+16,000= 53,000 people

Skill of the Week (4.NBT.4)

Solve:

$$498,243$$
$$+127,156$$
$$625,399$$

Drawing/Picture (3.OA.3)

There are 72 students in the fourth grade. If the teachers are trying to spilt the students into eight equal groups for a field trip, how many students should be in each group?

Draw a picture to support your answer. 9 students

xxxxx xxxx | xxxxx xxxx | xxxxx xxxx | xxxxx xxxx

xxxxx xxxx | xxxxx xxxx | xxxxx xxxx | xxxxx xxxx

Measurement (3.MD.8)

You have been hired by *Frames.com* to build four picture frames. Each frame will be 9 inches by seven inches.

How much wood will you need to purchase to build all four frames?

9x7=63

63x4= 252 inches of wood

Mathematics Spiral Review Quarter 1.4
4th Grade

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

12 x 11 = _____

96 ÷ 8= _____

Place Value (4.NBT.2)

Compare the following numbers using < or >:

83,242 _____ 82,937

91,032 _____ 91,023

101,234 _____ 110,023

Estimation (4.NBT. 3 and NBT.4)

Green Hope High School was had their fall musical last weekend. On Friday, 442 people attended the show. On Saturday, 932 people came. On Sunday, 234 people attended. _About_ how many more tickets did they sell on Saturday than Friday and Sunday combined?
Round you answer to the nearest tens.

Skill of the Week (4.OA.4)

Find all factors for the following numbers:

12   24   42

Drawing/Picture (3.G.2)

Draw a quadrilateral with four equal sides and four equal angles. Partition (divide) your shape into 4 equivalent pieces. Label what fraction of the whole each piece represents.

Measurement (3.MD.7 and 3.MD.8)

You have decided to build a tree house in your backyard. You want the floor of your tree house to be 9ft by 8ft, so you have plenty of room to play.

What would be the area _**and**_ perimeter of the floor of your tree house?

Mathematics Spiral Review Quarter 1.4
4th Grade- Answer Key

Basic Computation *(3.OA.7)*

On a separate piece of paper, show how you found your product or quotient.

12 x 11 = _____132_____

96 ÷ 8= _____12_____

Place Value *(4.NBT.2)*

Compare the following numbers using < or >:

83,242 ___>___ 82,937

91,032 ___>___ 91,023

101,234 ___<___ 110,023

Estimation *(4.NBT. 3 and NBT.4)*

Green Hope High School was had their fall musical last weekend. On Friday, 442 people attended the show. On Saturday, 932 people came. On Sunday, 234 people attended. *About* how many more tickets did they sell on Saturday than Friday and Sunday combined?

Round you answer to the nearest tens.

440+230= 670
930-670= About 260 People

Skill of the Week *(4.OA.4)*

Find all factors for the following numbers:

12: 1x 12, 2x6, 3x4
24: 1x 24, 2x12, 3x8, 4x6
42: 1x42, 2x21, 3x14, 6x7

Drawing/Picture *(3.G.2)*

Draw a quadrilateral with four equal sides and four equal angles. Partition (divide) your shape into 4 equivalent pieces. Label what fraction of the whole each piece represents. Answers may vary.

1/4	1/4
1/4	1/4

Measurement *(3.MD.7 and 3.MD.8)*

You have decided to build a tree house in your backyard. You want the floor of your tree house to be 9ft by 8ft, so you have plenty of room to play.

What would be the area **_and_** perimeter of the floor of your tree house?

Area= 9x8= 72 sq. ft
Perimeters= 9+9+8+8= 34 ft

Mathematics Spiral Review Quarter 1.5
4th Grade

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

9 x 12 = _____

84 ÷ 7= _____

Skill of the Week (4.NBT.2)

Write the following number in word and expanded form.

$$498,324$$

Estimation (4.NBT. 3)

Your class has decided to collect cans for the food drive. The goal is to collect 200 of food. On day one, Samantha brings in 5 bags with 12 cans in each bag. Josephs collects 7 bags with 9 cans in each bag. *About* how many cans of food still need to be collected?

Skill of the Week (4.OA.4)

Determine if the following numbers are prime or composite:

$$9 \quad 16 \quad 27 \quad 37$$

Drawing/Picture (3.NF.2)

Draw a number line from 0 to 1. On your number line label the following fractions:

1/3   1/4   1/2   3/4

Measurement (3.MD.8)

You were asked to measure the perimeter of your school's soccer field. You remember the perimeter was 320 yards. Your partner remembered one side was 60 yds. How long was the other side?

Mathematics Spiral Review Quarter 1.5
4th Grade- Answer Key

Basic Computation (3.OA.7)

On a separate piece of paper, show how you found your product or quotient.

9 x 12 = _____**108**_____

84 ÷ 7= _____**12**_____

Skill of the Week (4.NBT.2)

Write the following number in word and expanded form.   498,324

Four Hundred Ninety-Eight thousand, Three Hundred Twenty-Four

400,000+90,000+8,000+300+20+4=498,324

Estimation (4.NBT. 3)

Your class has decided to collect cans for the food drive. The goal is to collect 200 of food. On day one, Samantha brings in 5 bags with 12 cans in each bag. Josephs collects 7 bags with 9 cans in each bag. *About* how many cans of food still need to be collected?

5x12=60 about 60

7x9=63 about 60

60+60=120

200-120= About 80 more cans

Skill of the Week (4.OA.4)

Determine if the following numbers are prime or composite:

9 (C)   16(C)

27 (C)   37 (P)

Drawing/Picture (3.NF.2)

Draw a number line from 0 to 1. On your number line label the following fractions:

1/3   1/4   1/2   3/4
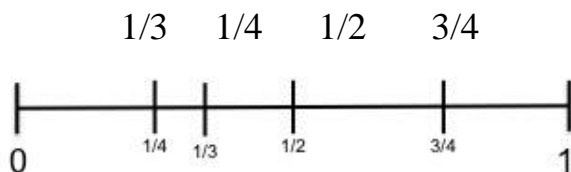
Measurement (3.MD.8)

You were asked to measure the perimeter of your school's soccer field. You remember the perimeter was 320 yards. Your partner remembered one side was 60 yds. How long was the other side?

60x2=120

320-120=200

200/2=100 yards