Mathematics Spiral Review Quarter 2.1
Grade 5

Basic Computation (5.NBT.7)

Find the sum:

47.8 + 6.23 = _____

Place Value   (4.MBT.2)

Compare the values using <, =, or >:

a) 12 thousands _____   6 ten thousands

b) 24 hundreds _____   3 thousands

c) 7 ten thousands _____   70 thousands

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

In 2013 the Carolina Railhawks had an average attendance of 4,708. This was up from an average of 3,883 in 2012. About how many more people attended each game in 2013 than 2012?

Skill of the Week (5.NBT.7)

Samantha treated Ella to frozen yogurt for her birthday. The total bill was $7.29. She handed the cashier ten dollars, how much change should she receive?

Drawing/Picture (4.G.2 and 5.G.3)

Draw a right scalene triangle, a right isosceles triangle, and a right equilateral triangle.

Measurement (4.MD.2)

Marcus' piano teacher wanted him to practice a total of 1.5 hours before she saw him at his lesson on Friday afternoon. He practiced for 18 minutes on Monday, 23 minutes on Tuesday, 16 minutes on Wednesday, and 13 minutes on Thursday. How long did he have to practice on Friday morning to meet his goal? What fraction of an hour is that?

Mathematics Spiral Review Quarter 2.1
Grade 5 **Answer Key**

Basic Computation (5.NBT.7)

Find the sum:

47.8 + 6.23 = 54.03

Note that students must remember to line up all place value positions first. They will also need to regroup correctly.

Place Value (4.NBT.2)

Compare the values using <, =, or >:

a) 12 thousands **<**   6 ten thousands

b) 24 hundreds **<**   3 thousands

c) 7 ten thousands **=**   70 thousands

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

In 2013 the Carolina Railhawks had an average attendance of 4,708. This was up from an average of 3,883 in 2012. About how many more people attended each game in 2013 than 2012? Answers may vary.
Thousands 5,000 - 4,000 = 1,000
Hundreds 4,700 - 3,900 = 800

Skill of the Week (5.NBT.7)

**Samantha treated Ella to frozen yogurt for her birthday. The total bill was $7.29. She handed the cashier ten dollars, how much change should she receive?**
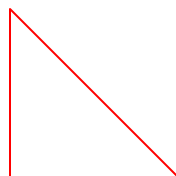**$10.00 - $7.29 = $2.71**

Drawing/Picture (4.G.2 and 5.G.3)
Draw a right scalene triangle, a right isosceles triangle, and a right equilateral triangle. Students should not be able to draw a right equilateral triangle. Other drawings will vary.
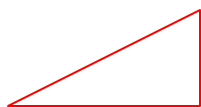
Right Scalene Triangle   Right Isosceles Triangle

Measurement (4.MD.2)

Marcus' piano teacher wanted him to practice a total of 1.5 hours before she saw him at his lesson on Friday afternoon. He practiced for 18 minutes on Monday, 23 minutes on Tuesday, 16 minutes on Wednesday, and 13 minutes on Thursday. How long did he have to practice on Friday morning to meet his goal? What fraction of an hour is that?
1.5 hours = 90 minutes
18 + 23 + 16 + 13 = 70 minutes
90 - 70 = 20 minutes
20 minutes = 1/3 hour

Mathematics Spiral Review Quarter 2.2
Grade 5

Basic Computation (5.NBT.6)

Find the quotient:

1,798 ÷ 31 = _____

Place Value (5.NBT.4)

Round to the nearest tenth:

4.27 _____   6.97 _____   2.73 _____   18.08 _____

Round to the nearest hundredth:

5.843 _____   0.029 _____   9.996_____   7.195 _____

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

There were several stadiums built in Brazil in order to host the World Cup. The largest one held 74,738 people and the smallest one held 39,631 people. If games were held in both, about how many people could attend?

Skill of the Week (5.G.3)

Explain the specific attributes that make a square:

a) a type of rectangle

b) a type of quadrilateral

c) a type of rhombus

d) a type of parallelogram

Drawing/Picture (4.G.1)

Draw and name a polygon that contains at least one pair of perpendicular sides and at least pair of parallel sides.

Measurement (4.MD.3)

A decorator was cutting a wallpaper border for a living room with a length of 6.2 meters and a width of 4.7 meters. How much border did he need?

Mathematics Spiral Review Quarter 2.2
Grade 5 **Answer Key**

Basic Computation (5.NBT.6)

Find the quotient:

1,798 ÷ 31 = 58

Students may use a variety of strategies to show their work.

Place Value (5.NBT.4)

Round to the nearest tenth:

4.27 **4.3**   6.97 **7.0**   2.73 **2.7**   18.08 **18.1**

Round to the nearest hundredth:

5.843 **5.84**   0.029 **0.03**   9.996 **10.00**   7.195 **7.20**

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

There were several stadiums built in Brazil in order to host the World Cup. The largest one held 74,738 people and the smallest one held 39,631 people. If games were held in both, about how many people could attend? (Answers will vary)

ten thousands 70,000 + 40,000 = 110,000

thousands 75,000 + 40,000 = 115,000

### _Skill of the Week_ (5.G.3)

Explain the specific attributes that make a square:

a) a type of rectangle **four right angles**

b) a type of quadrilateral **four sides**

c) a type of rhombus **four congruent sides**

d) a type of parallelogram **two pairs of parallel sides**

Drawing/Picture (4.G.1)

Draw and name a polygon that contains at least one pair of perpendicular sides and at least pair of parallel sides. Drawings will vary, but may not be a triangle or the basic parallelogram.
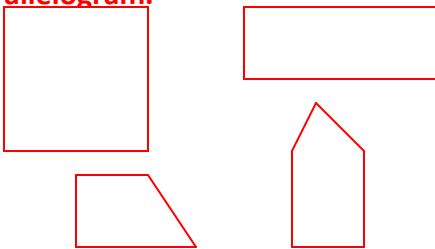
Measurement (4.MD.3)

A decorator was cutting a wallpaper border for a living room with a length of 6.2 meters and a width of 4.7 meters. How much border did he need? 21.8 meters

6.2 m + 6.2 m + 4.7 m + 4.7 m = 21.8 meters

Mathematics Spiral Review Quarter 2.3
Grade 5

Basic Computation (5.NBT.7)

Find the difference:

758.3 - 5.83 = _____

Place Value (5.NBT.1)

How does the value of the number 4 in 241 compare to the 4 in 654?

Estimation (4.NBT.3)

Round 96,372 to the nearest:

ten thousand: _____
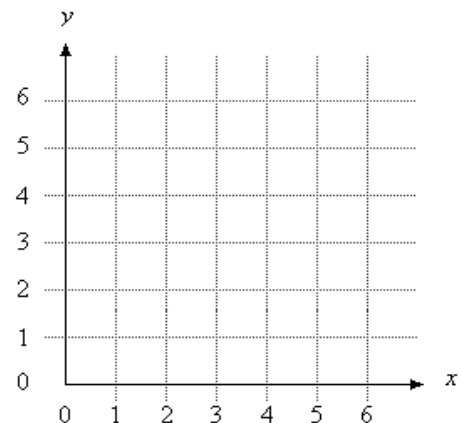
thousand: _____

hundred: _____

ten: _____

Skill of the Week (5.G.1)

Plot and connect the following points on the grid: (1,2), (2,4), (5,4), (6,2), and (1,2). What polygon have you formed? What key attribute did you note?

Coordinate Grid

Drawing/Picture (4.NF.4)

There were 8 friends eating dinner together. Each friend ate 1/3 of a pizza. How much pizza did they eat altogether? Draw a visual fraction model to represent the problem.

Measurement (4.MD.3)

Charles is using square origami paper with a side lengths of 9.2 centimeters to make paper penguins. What is the area of his paper?

Mathematics Spiral Review Quarter 2.3
Grade 5 **Answer Key**

Basic Computation (5.NBT.7)

Find the difference:

758.3 - 5.83 = 752.47

Students will need to line up all place value positions as well as use a place holder zero in the hundredths place.

Place Value (5.NBT.1)

How does the value of the number 4 in 241 compare to the 4 in 654? **The 4's are not in the same place value position. The 4 in 241 is worth 4 tens or 40. The 4 in 654 is worth 4 ones or 4. 40 is ten times larger than 4. 4 is 1/10 the size of 40.**

Estimation (4.NBT.3)

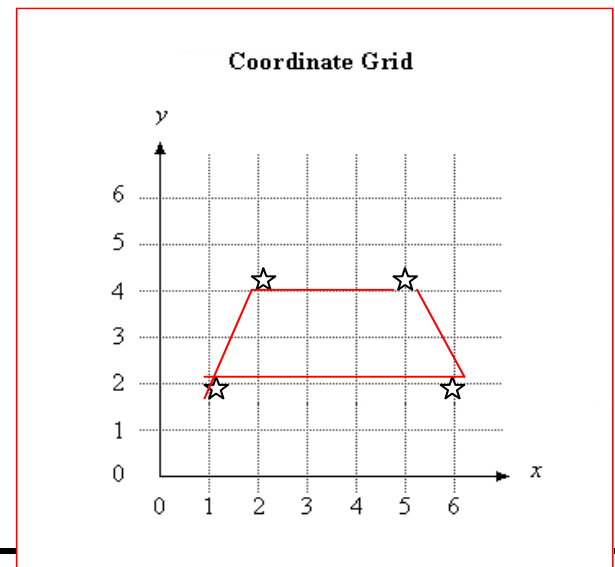**Round 96,372 to the nearest:**

ten thousand: **100,000**

thousand: **96,000**

hundred: **96,400**

ten: **96,370**

Skill of the Week (5.G.1)

Plot and connect the following points on the grid: (1,2), (2,4), (5,4), (6,2), and (1,2). What polygon have you formed? **A trapezoid with one pair of parallel sides**

Drawing/Picture (4.NF.4)

There were 8 friends eating dinner together. Each friend ate 1/3 of a pizza. How much pizza did they eat altogether? Draw a visual fraction model to represent the problem.

8 x 1/3 = **8/3** or **2 2/3**

1/3	1/3	1/3

1/3	1/3	1/3

1/3	1/3	

Measurement (4.MD.3)

Charles is using square origami paper with a side lengths of 9.2 centimeters to make paper penguins. What is the area of his paper?

9.2 cm x 9.2 cm = 84.64 sq. cm.

Mathematics Spiral Review Quarter 2.4
Grade 5

Basic Computation (5.NBT.5)

Find the product:

247 x 52 = _____

Place Value (5.NBT.3 and 4.NF.6)

Show the value of 0.94 as many ways as you can.

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

The United States had the longest distance to travel during the group stage of the World Cup. Their longest round trip was 3,292 miles, their second longest was 2,916 miles, and their shortest was 2,594 miles. About how many miles did they travel during that round?

Skill of the Week (5.NBT.7)

There are 2.5 servings of crackers in a package. Each serving contains 1.3 ounces. How many ounces of crackers are in the package?

Drawing/Picture (4.NF.2)

Compare the following fractions by using a benchmark fraction then prove your answer by using visual fraction models. 2/5 and 4/6

Measurement (4.MD.2)

Oscar tied pieces of ribbon around two helium balloons for a party. The first piece was 1.46 meters long. The second piece was 1,240 millimeters long. If he held them both at the bottom of the ribbon, what was the difference in the heights of the balloons in centimeters?

Mathematics Spiral Review Quarter 2.4
Grade 5 **Answer Key**

Basic Computation (5.NBT.5)

Find the product:

247 x 52 = 12,844

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

The United States had the longest distance to travel during the group stage of the World Cup. Their longest round trip was 3,292 miles, their second longest was 2,916 miles, and their shortest was 2,594 miles. About how many miles did they travel during that round?

Thousands: 3,000 + 3,000 + 3,000 = 9,000
Hundreds: 3,300 + 2,900 + 2,600 = 8,800
Actual: 8,802

Drawing/Picture (4.NF.2)

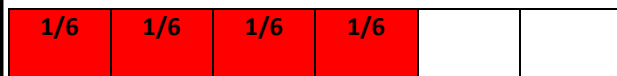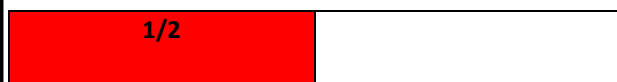Compare the following fractions by using a benchmark fraction then prove your answer by using visual fraction models.
2/5 and 4/6

Using 1/2 as a benchmark:
2/5 is smaller than 1/2
4/6 is larger than 1/2
so 2/5 < 4/6

1/5	1/5			

1/2	

1/6	1/6	1/6	1/6		

Place Value (5.NBT.3 and 4.NF.6)

Show the value of 0.94 as many ways as you can.

94/100   (9 x 0.1) + (4 x 0.01)   0.9 + 0.04

940/1000   9/10 + 4/100   0.940

(9 x 1/10) + (4 x 1/100)   (Answers will vary)

Skill of the Week (5.NBT.7)

There are 2.5 servings of crackers in a package. Each serving contains 1.3 ounces. How many ounces of crackers are in the package? **2.5 x 1.3 = 3.25**
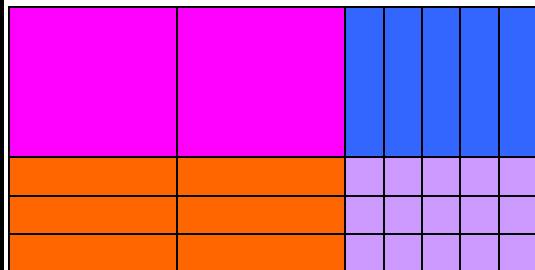
2 + 0.6 + 0.5 + 0.15 = 3.25

Measurement (4.MD.2)

Oscar tied pieces of ribbon around two helium balloons for a party. The first piece was 1.46 meters long. The second piece was 1,240 millimeters long. If he held them both at the bottom of the ribbon, what was the difference in the heights of the balloons in centimeters?

1.46 x 100 = 146 cm.   1,240 ÷ 10 = 124 cm
146 cm - 124 cm = 22 cm.

Mathematics Spiral Review Quarter 2.5
Grade 5

Basic Computation (5.NBT.6)

Find the quotient:

3,654 ÷ 42 = _____

Place Value (5.NBT.2)

Solve:

$75.2 \times 10^2 =$

$13.27 \times 10^3 =$

$8,165.7 \div 10^2 =$

$345.2 \div 10^1 =$

Estimation (5.NBT.4 and 6.NBT.7)

Bakri was saving up for a new pair of running shoes. The shoes he wanted cost $78.89. He had $52.28 in his bank. About how much more does he need to save?

Skill of the Week (5.NBT.7)

Coach Lee wanted his runners to complete a 1.8 mile run with stops every 0.3 miles to do sit-ups and push-ups. How many stops will the runners make, including the one at the finish?

Drawing/Picture (5.G.4)

Draw a hierarchy using the following terms: square, rectangle, trapezoid, quadrilateral, rhombus, kite, parallelogram

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Measurement (4.MD.3)

Fill in (or make) the table below to find the possible dimensions and areas of a rug with a perimeter of 28 feet.

Perimeter	Dimensions	Area
28 feet		
28 feet		
28 feet		
28 feet		
28 feet		
28 feet		
28 feet		

Mathematics Spiral Review Quarter 2.5 key
Grade 5

Basic Computation (5.NBT.6)

Find the quotient:

3,654 ÷ 42 = 87

Place Value (5.NBT.2)

Solve:

75.2×10^2	**75.2 x 100 = 7,520**
13.27×10^3	**13.27 x 1,000 = 13,270**
$8,165.7 \div 10^2$	**8,165.7 ÷ 100 = 81.657**
$345.2 \div 10^1$	**345.2 ÷ 10 = 34.52**

Estimation (5.NBT.4 and 6.NBT.7)

Bakri was saving up for a new pair of running shoes. The shoes he wanted cost $78.89. He had $52.28 in his bank. About how much more does he need to save? **Actual answer: $26.61**

Tens: $80.00 - $50.00 = $30.00

Ones: $79.00 - $52.00 = $27.00

Skill of the Week (5.NBT.7)

Coach Lee wanted his runners to complete a 1.8 mile run with stops every 0.3 miles to do sit-ups and push-ups. How many stops will the runners make, including the one at the finish?

0.1	0.2	**0.3**	0.4	0.5	**0.6**	0.7	0.8	**0.9**	1.0

1   **2**   **3**

1.1	**1.2**	1.3	1.4	**1.5**	1.6	1.7	**1.8**	1.9	2.0

4   **5**   **6**

1.8 ÷ 0.3 = 6   (potential drawings will vary)

Drawing/Picture (5.G.4)

Draw a hierarchy using the following terms: square, rectangle, trapezoid, quadrilateral, rhombus, kite, parallelogram

quadrilateral
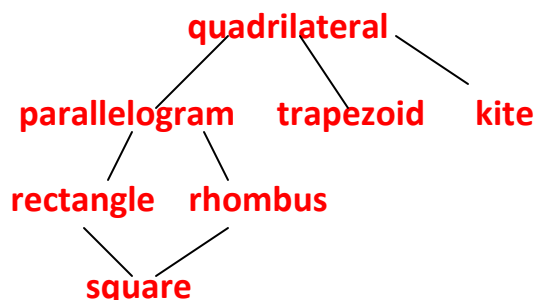
parallelogram   **trapezoid**   **kite**

rectangle   **rhombus**

square

Measurement (4.MD.3)

Fill in (or make) the table below to find the possible dimensions and areas of a rug with a perimeter of 28 feet.
(Answers could include decimals, these are whole number only)

Perimeter	Dimensions	Area
28 feet	1 ft. x 13 ft.	13 sq. ft.
28 feet	2 ft. x 12 ft.	24 sq. ft.
28 feet	3 ft. x 11 ft.	33 sq. ft.
28 feet	4 ft. x 10 ft.	40 sq. ft.
28 feet	5 ft. x 9 ft.	45 sq. ft.
28 feet	6 ft. x 8 ft.	48 sq. ft.
28 feet	7 ft. x 7 ft.	49 sq. ft.