

Mathematics Spiral Review Quarter 4.1

Grade 5



Basic Computation (5.NF.1)

Find the sum:

$$2\frac{2}{5} + 1\frac{2}{3} = \underline{\hspace{2cm}}$$

Place Value (5.NBT.3)

Write the following using standard and word form:

$$7 \times 100 + 4 \times 1 + 6 \times 0.1 + 9 \times 0.001$$

Estimation (5.NF.2)

Mrs. Dale had $\frac{1}{5}$ gallon of blue paint and $\frac{5}{6}$ gallon of red paint to mix for a light purple paint. About how much paint will she have when she puts them together?

Skill of the Week (5.NF.7)

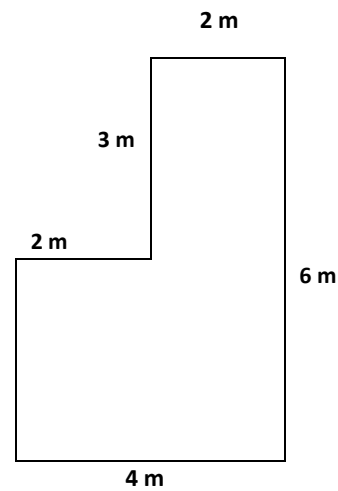
Jeremiah had a 4 pound bag of cat treats to use at the animal shelter. If he used $\frac{1}{4}$ pound of treats every day, how many days would it take for him to finish the bag?

Drawing/Picture (5.NF.5)

Use a drawing to show if the product of $\frac{5}{6} \times 4$ is greater than, less than, or equal to 4.

Measurement (4. MD.3)

Use the drawing to determine the area and perimeter.



Mathematics Spiral Review Quarter 4.1

Grade 5 **Answer Key**



Basic Computation (5.NF.1)

Find the sum:

$$2\frac{2}{5} + 1\frac{2}{3} = 4\frac{1}{15}$$

Place Value (5.NBT.3)

Write the following using standard and word form:

$$7 \times 100 + 4 \times 1 + 6 \times 0.1 + 9 \times 0.001$$

704.609 **Seven hundred four and six hundred nine thousandths**

Estimation (5.NF.2)

Mrs. Dale had $\frac{1}{5}$ gallon of blue paint and $\frac{5}{6}$ gallon of red paint to mix for a light purple paint. About how much paint will she have when she puts them together?

$\frac{1}{5}$ is close to 0 and $\frac{5}{6}$ is close to 1
0 + 1 = 1 gallon

Skill of the Week (5.NF.7)

Jeremiah had a 4 pound bag of cat treats to use at the animal shelter. If he used $\frac{1}{4}$ pound of treats every day, how many days would it take for him to finish the bag?

$$4 \div \frac{1}{4} = 16 \text{ days}$$

Drawing/Picture (5.NF.5)

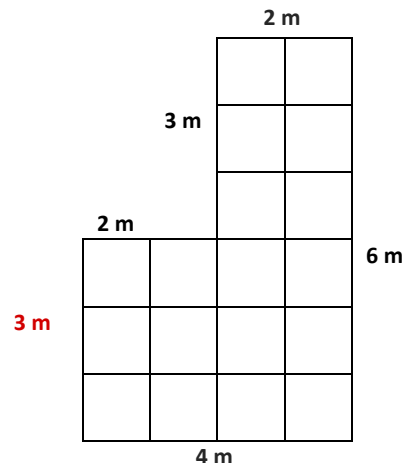
Use a drawing to show if the product of $\frac{5}{6} \times 4$ is greater than, less than, or equal to 4. **The picture shows less than 4 wholes.**



Measurement (4.MD.3)

Use the drawing to determine the area and perimeter.

The missing side length is 3 m.
The area is 18 square meters.
The perimeter is 20 meters.



Mathematics Spiral Review Quarter 4.2

Grade 5



Basic Computation (5.NF.1)

Find the difference:

$$3\frac{1}{2} - 1\frac{7}{10} = \underline{\hspace{2cm}}$$

Place Value (5.NBT.3)

A game show had three envelopes filled with prize money. Put the values in order from least to greatest:

Twelve hundreds

Seventy-two tens

Ninety-seven ones

Estimation (5.NF.2)

Mrs. Rosenberg made $3\frac{1}{8}$ pounds of baked ziti for a family gathering. The family ate $2\frac{6}{10}$ pounds of ziti. About how much ziti does she have left?

Skill of the Week (5.NF.3)

28 students wanted to share 7 pizzas equally. How much pizza should each student get?

Drawing/Picture (5.NF.4)

Find the area of a cell phone screen with a length of 5 inches and a width of $2\frac{1}{2}$ inches. Draw a picture showing the area filled with unit squares.

Measurement (5.MD.5)

The United States Post Office has boxes ready for shipping. The total volume of one of the boxes is 960 cubic inches. If two of the dimensions are 12 inches and 8 inches, what is the third dimension?

Mathematics Spiral Review Quarter 4.2

Grade 5 **Answer Key**



Basic Computation (5.NF.1)

Find the difference:

$$3\frac{1}{2} - 1\frac{7}{10} = 1\frac{8}{10} \text{ or } 1\frac{4}{5}$$

Place Value (5.NBT.3)

A game show had three envelopes filled with prize money. Put the values in order from least to greatest: **97 < 720 < 1,200**

Twelve hundreds: **1,200**

Seventy-two tens: **720**

Ninety-seven ones: **97**

Estimation (5.NF.2)

Mrs. Rosenberg made $3\frac{1}{8}$ pounds of baked ziti for a family gathering. The family ate $2\frac{6}{10}$ pounds of ziti. About how much ziti does she have left?

$3\frac{1}{8}$ is close to 3 and $2\frac{6}{10}$ is close to $2\frac{1}{2}$

$$3 - 2\frac{1}{2} = \frac{1}{2} \text{ pound}$$

Skill of the Week (5.NF.3)

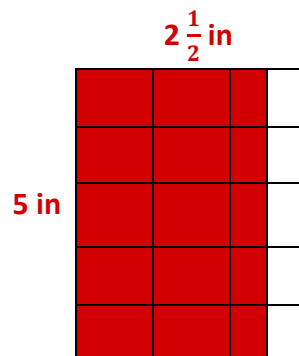
28 students wanted to share 7 pizzas equally. How much pizza should each student get?

$$7 \div 28 = \frac{1}{4} \text{ of a pizza}$$

Drawing/Picture (5.NF.4)

Find the area of a cell phone screen with a length of 5 inches and a width of $2\frac{1}{2}$ inches.

Draw a picture showing the area filled with unit squares. **$5 \text{ in} \times 2\frac{1}{2} \text{ in} = 12\frac{1}{2} \text{ sq. in.}$**



Measurement (5.MD.5)

The United States Post Office has boxes ready for shipping. The total volume of one of the boxes is 960 cubic inches. If two of the dimensions are 12 inches and 8 inches, what is the third dimension?

$$V = l \times w \times h$$

$$960 \text{ cu.in.} = 12 \text{ in.} \times 8 \text{ in.} \times h$$

$$960 \text{ cu. in.} = 96 \text{ sq. in.} \times h$$

$$10 \text{ in.} = h$$

Mathematics Spiral Review Quarter 4.3

Grade 5



Basic Computation (5.NF.4)

Find the product:

$$\frac{4}{7} \times \frac{3}{5} = \underline{\hspace{2cm}}$$

Place Value (5.NBT.1)

How does the value of 452.8 compare to the value of 4.528?

How does the value of 28.537 compare to the value of 285.37?

Estimation (5.NF.2)

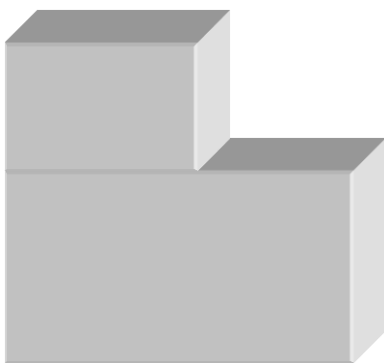
Rajah earned $5\frac{2}{5}$ of a dollar on Friday and $7\frac{1}{10}$ of a dollar on Saturday. About how much more does he need to earn if he wants to have 18 dollars?

Skill of the Week (5.NF.7)

Emma had $\frac{1}{3}$ bag of beads to make bracelets. Emma needed to make 5 bracelets for her friends. What fraction of a bag should she use for each bracelet?

Drawing/Picture (5.MD.5)

Add labels to the drawing below and find the volume of the composite figure.



Measurement (5.MD.3)

Julio was given 42 centimeter cubes and asked to make as many different models of right rectangular prisms as he could. What were possible dimensions of his prisms?

Mathematics Spiral Review Quarter 4.3

Grade 5 **Answer Key**



Basic Computation (5.NF.4)

Find the product:

$$\frac{4}{7} \times \frac{3}{5} = \frac{12}{35}$$

Place Value (5.NBT.1)

How does the value of 452.8 compare to the value of 4.528? **452.8 is 100 times greater than 4.528**

How does the value of 28.537 compare to the value of 285.37? **28.537 is 1/10 the size of 285.37**

Estimation (5.NF.2)

Rajah earned $5\frac{2}{5}$ of a dollar on Friday and $7\frac{1}{10}$ of a dollar on Saturday. About how much more does he need to earn if he wants to have 18 dollars?

$5\frac{2}{5}$ is close to $5\frac{1}{2}$ $7\frac{1}{10}$ is close to 7

$$5\frac{1}{2} + 7 = 12\frac{1}{2} \quad 18 - 12\frac{1}{2} = 5\frac{1}{2} \text{ more dollars}$$

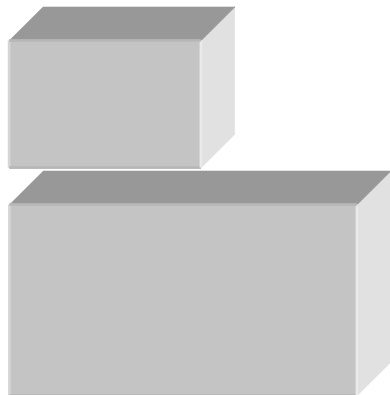
Skill of the Week (5.NF.7)

Emma had $\frac{1}{3}$ bag of beads to make bracelets. Emma needed to make 5 bracelets for her friends. What fraction of a bag should she use for each bracelet?

$$\frac{1}{3} \div 5 = \frac{1}{15} \text{ of a bag}$$

Drawing/Picture (5.MD.5)

The drawing below shows one way the students might split the figure into 2 right rectangular prisms. Their given dimensions and overall volumes will vary.



Measurement (5.MD.3)

Julio was given 42 centimeter cubes and asked to make as many different models of right rectangular prisms as he could. What were possible dimensions of his prisms?

$$V = l \times w \times h \quad (\text{order may vary})$$

$$42 \text{ cu. cm} = 1 \text{ cm} \times 1 \text{ cm} \times 42 \text{ cm}$$

$$42 \text{ cu. cm} = 2 \text{ cm} \times 1 \text{ cm} \times 21 \text{ cm}$$

$$42 \text{ cu. cm} = 3 \text{ cm} \times 1 \text{ cm} \times 14 \text{ cm}$$

$$42 \text{ cu. cm} = 6 \text{ cm} \times 1 \text{ cm} \times 7 \text{ cm}$$

$$42 \text{ cu. cm} = 2 \text{ cm} \times 3 \text{ cm} \times 7 \text{ cm}$$

Mathematics Spiral Review Quarter 4.4

Grade 5



Basic Computation (5.NBT.5)

Find the product:

$$807 \times 64 = \underline{\hspace{2cm}}$$

Place Value (5.NBT.4)

Which of the following have been rounded correctly to the tenths place? Fix the incorrect answers as needed.

$$4.56 \rightarrow 4.5 \quad 23.98 \rightarrow 24.0 \quad 7.816 \rightarrow 7.800$$

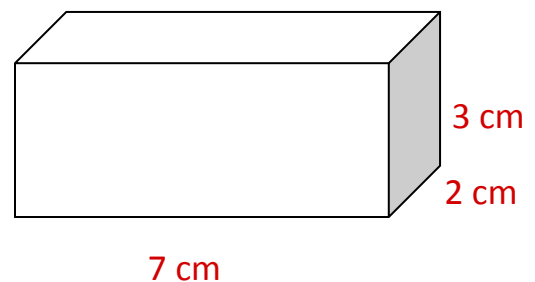
$$5.61 \rightarrow 5.60 \quad 12.382 \rightarrow 12.4 \quad 8.88 \rightarrow 8.8$$

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

Mrs. Hargett spent \$189.67 on gas for her car in March, \$197.34 in April, and \$218.72 in May. About how much did she spend for gas during the three months?

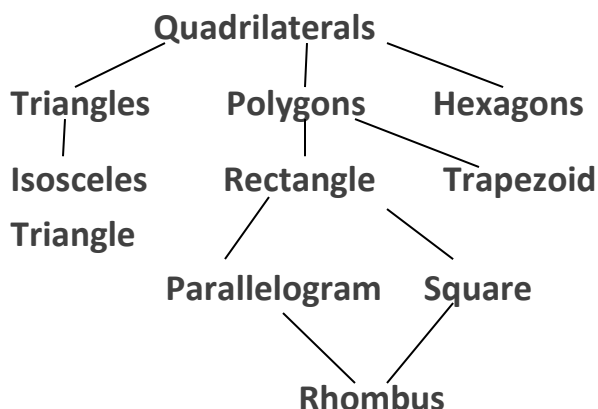
Skill of the Week (5.MD.5)

Esther had a eraser that had a length of 7 cm, a width of 2 cm, and a height of 3 cm. What was the volume of her eraser?



Drawing/Picture (5.G.3)

Alex drew the following hierarchy:



Fix the labels and lines as needed and draw a polygon to match each label in the last three rows.

Measurement (5.MD.1)

Iman was training for a road race. She kept track of her training runs in a chart. Use the chart put her runs in order from longest to shortest. What was her total distance?

Day of the Week	Distance	Conversion	Rank
Monday	5,280 yards		
Wednesday	3.5 miles		
Friday	13,200 feet		

Mathematics Spiral Review Quarter 4.4

Grade 5 **Answer Key**



Basic Computation (5.NBT.5)

Find the product:

$$807 \times 64 = \mathbf{51,648}$$

Place Value (5.NBT.4)

Which of the following have been rounded correctly to the tenths place? Fix the incorrect answers as needed. (Fixed in red)

$$4.56 \rightarrow \mathbf{4.6} \quad 23.98 \rightarrow \mathbf{24.0} \quad 7.816 \rightarrow \mathbf{7.8}$$

$$5.61 \rightarrow \mathbf{5.6} \quad 12.382 \rightarrow \mathbf{12.4} \quad 8.88 \rightarrow \mathbf{8.9}$$

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

Mrs. Hargett spent \$189.67 on gas for her car in March, \$197.34 in April, and \$218.72 in May. About how much did she spend for gas during the three months? (Answers may vary)

Hundreds: $\$200.00 + \$200.00 + \$200.00 = \600.00

Tens: $\$190.00 + \$200.00 + \$220.00 = \610.00

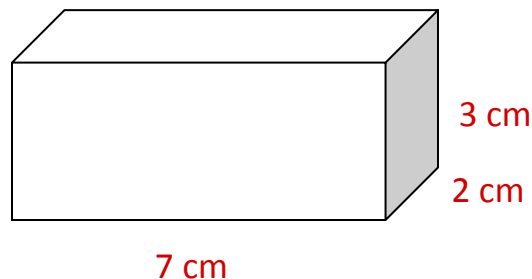
Ones: $\$190.00 + \$197.00 + \$219.00 = \606.00

Skill of the Week (5.MD.5)

Esther had an eraser that had a length of 7 cm, a width of 2 cm, and a height of 3 cm. What was the volume of her eraser?

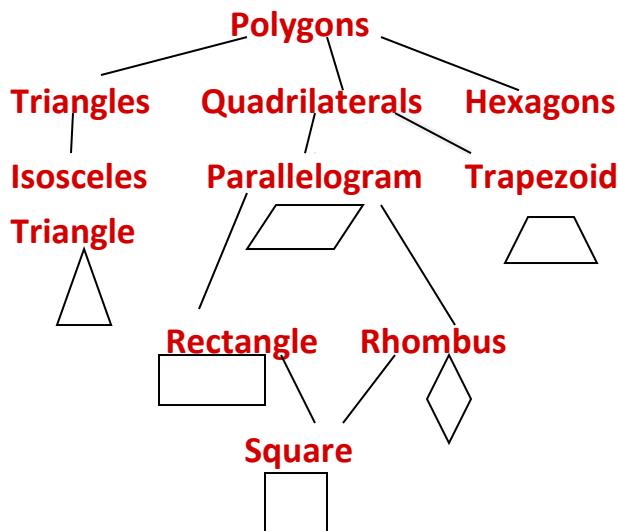
$$V = 7 \text{ cm} \times 2 \text{ cm} \times 3 \text{ cm}$$

$$V = \mathbf{42 \text{ cubic centimeters}}$$



Drawing/Picture (5.G.3)

Alex drew the following hierarchy: Fix the labels and lines as needed and draw a polygon to match each label in the last three rows.



Measurement (5.MD.1)

Iman was training for a road race. She kept track of her training runs in a chart. Use the chart put her runs in order from longest to shortest. What was her total distance? **9 miles**

Day of the Week	Distance	Conversion	Rank
Monday	5,280 yards	3 miles	second
Wednesday	3.5 miles	3.5 miles	first
Friday	13,200 feet	2.5 miles	third

Mathematics Spiral Review Quarter 4.5

Grade 5



Basic Computation (5.NBT.6)

Find the quotient:

$$7,688 \div 62 = \underline{\hspace{2cm}}$$

Place Value (5.NBT.1)

Solve the following:

$$247 \times 10^1 = \underline{\hspace{2cm}} \quad 247 \div 10^1 = \underline{\hspace{2cm}}$$

$$247 \times 10^2 = \underline{\hspace{2cm}} \quad 247 \div 10^2 = \underline{\hspace{2cm}}$$

$$247 \times 10^3 = \underline{\hspace{2cm}} \quad 247 \div 10^3 = \underline{\hspace{2cm}}$$

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

The student council wanted to raise 1,000 pounds of food for the food bank. If 6 classes donated 68 pounds each and 6 classes donated 47 pounds each, about how much more is needed?

Skill of the Week (5.MD.1)

Nina made a large three layer cake for a wedding. The first layer used $3\frac{3}{4}$ cups of flour, $2\frac{1}{4}$ cups for the second, and 2 cups for the third layer. How many cups of flour did she use for the whole cake? How many pints? How many quarts? How many gallons?

Drawing/Picture (5.MD.2)

Mrs. Lee had several pieces of fabric scraps that she wants to use to make a quilt. Make a line plot to display the following measurements in yards:

$$\frac{1}{4}, \frac{1}{2}, \frac{5}{8}, \frac{1}{4}, \frac{3}{4}, \frac{5}{8}, \frac{1}{2} \text{ and } \frac{1}{2}$$

Measurement (5.MD.2)

Use the information from the previous question. If Mrs. Lee sewed all of her fabric together, how long would it be? If each piece had been the same length, how long would they have been?

Mathematics Spiral Review Quarter 4.5

Grade 5 **Answer Key**



Basic Computation (5.NBT.6)

Find the quotient:

$$7,688 \div 62 = \mathbf{124}$$

Place Value (5.NBT.1)

Solve the following:

$$247 \times 10^1 = \mathbf{2,470} \quad 247 \div 10^1 = \mathbf{24.7}$$

$$247 \times 10^2 = \mathbf{24,700} \quad 247 \div 10^2 = \mathbf{2.47}$$

$$247 \times 10^3 = \mathbf{247,000} \quad 247 \div 10^3 = \mathbf{0.247}$$

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

The student council wanted to raise 1,000 pounds of food for the food bank. If 6 classes donated 68 pounds each and 6 classes donated 47 pounds each, about how much more is needed?

$$6 \times 70 = 420 \quad 6 \times 50 = 300$$

$$420 + 300 = 720 \quad 1,000 - 720 = \mathbf{280 \text{ pounds}}$$

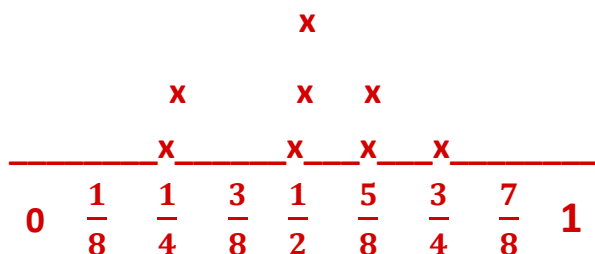
Skill of the Week (5.MD.1)

Nina made a large three layer cake for a wedding. The first layer used $3\frac{3}{4}$ cups of flour, $2\frac{1}{4}$ cups for the second, and 2 cups for the third layer. How many cups of flour did she use for the whole cake? **8 cups** How many pints? **4 pints** How many quarts? **2 quarts** How many gallons? $\frac{1}{2}$ **gallon**

Drawing/Picture (5.MD.2)

Mrs. Lee had several pieces of fabric scraps that she wants to use to make a quilt. Make a line plot to display the following measurements in yards:

$$\frac{1}{4}, \frac{1}{2}, \frac{5}{8}, \frac{1}{4}, \frac{3}{4}, \frac{5}{8}, \frac{1}{2}, \text{ and } \frac{1}{2}$$



Measurement (5.MD.2)

Use the information from the previous question.

If Mrs. Lee sewed all of her fabric together, how long would it be?

4 yards

If each piece had been the same length, how long would they have

been? $\frac{1}{2}$ **yard**