SJCS Middle School

Summer Math Packet

Entering 6th Grade

Name: Weekly Math Quiz - Q1:1 Date:

1. Review

Solve.

3,458,328 + 453,809

6,438,004 – 76,999

2. 5th Grade Preview

Solve.

$$\begin{array}{r} 80.4 \\ +\ 56.8 \\ \hline \end{array} \qquad \begin{array}{r} 36.05 \\ -\ 4.36 \\ \hline \end{array}$$

3. Review

Find the product.

$$\begin{array}{r} 4{,}859 \\ \times\ \ 6 \\ \hline \end{array} \qquad \begin{array}{r} 738 \\ \times\ 47 \\ \hline \end{array}$$

4. Review

Find the quotient.

$9\overline{)6{,}158}$

5. Review

Find the first 5 multiples and ALL the factors of 15.

Multiples:

Factors:

Is the number Prime or Composite?

6. Review

Simplify each fraction.

$\frac{4}{6}$ $\frac{8}{16}$

$\frac{2}{10}$ $\frac{14}{22}$

7. 5.OA.A.1

Evaluate the expression.

$[4^2 + (5 + 3 \times 4)] \times 3$

8. 5.OA.A.2

Write an expression to show…

five times the difference of 17 and 8

Name: Weekly Math Quiz – Q2:1 Date:

1. 5.NBT.B.7

At 3:00 pm, the temperature is 98.7 degrees outside. After the sun goes down, it is 84.9 degrees. How many degrees did the temperature decrease?

2. 5.OA.A.1, 5.OA.A.2

Evaluate the expression.

$(8.3 + 42) \times (5^2 - 3 \times 4)$

3. 5.NBT.A.4

Round each number to the nearest…

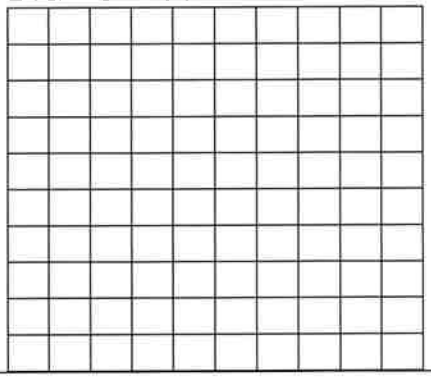
tenth: 310.640

hundredth: 83.503

whole number: 74.488

4. 5.NBT.B.7

Draw a model for 0.3 x 0.5

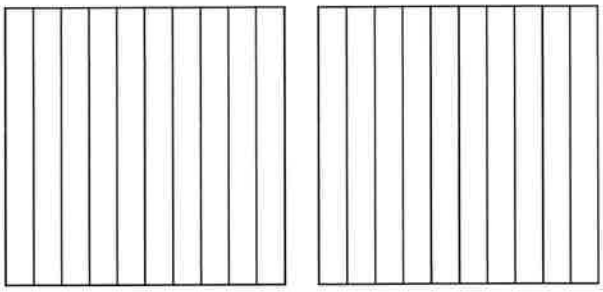


5. 5.NBT.B.7

Emily earns $14.81 per hour. If she works 40 hours per week, how much money will she earn in one week?

6. 5.NBT.B.7

Draw a model for 1.2 ÷ 0.6



7. 5.NBT.B.7

Adrian ran 8.547 km in 1.5 hours. How many kilometers did Adrian run in one hour?

8. Fraction Review

Draw a model for the fraction below.
Draw an equivalent fraction.

$\frac{3}{4}$

Name: Weekly Math Quiz – Q3:1 Date:

1. 5.NBT.B.7

Solve.

7.045 + 0.32

732.8 – 0.21

2. 5.OA.A.1, 5.OA.A.2

Add parenthesis to the expression below so that it equals 60.

20 – 8 ÷ 2 x 10

3. 5.NBT.A.2

Solve

$10.7 \times 10^2 =$

$83 \div 10^3 =$

$2.89 \times 10^3 =$

$47.8 \div 10^2 =$

4. 5.NBT.B.7

A row of 12 desks measures 27 feet. How many feet long is each desk?

5. 5.NF.A.1

Solve

$6\frac{3}{4} + 2\frac{1}{5} =$

$4\frac{3}{5} - 1\frac{1}{4} =$

6. 5.NF.B.4

Find the product.

$\frac{2}{3} \times \frac{1}{7} =$

7. 5.NF.B.6

3/4 of the students at Timber Elementary play sports. Of those students, 1/5 of them play soccer. What fraction of the students at Timber Elementary play soccer?

8. 5.NF.B.7

Draw a model to find the quotient.

$2 \div \frac{1}{3} =$

Name: Weekly Math Quiz – Q4:1 Date:

1. 5.OA.A.1, 5.OA.A.2

Add parenthesis to the expression below so that it equals 108.

$3 \times 7 + 2 \times 4$

2. 5.NBT.A.3.A

Write the number in expanded form and word form.

463.87

3. 5.NBT.B.7

Solve

$$\begin{array}{r} 87.8 \\ \times\ 0.49 \\ \hline \end{array} \qquad 0.24\overline{)66.9}$$

4. 5.NF.A.2

A group of people are having a fund raiser for a children's hospital. Fiona raised 2/7 of the money and Patrick raised 3/5 of the money. The rest of the money was raised by the rest of the group. What fraction of the money was raised by Fiona and Patrick?

5. 5.NF.B.4, 5.NF.B.7

Solve

$3\frac{2}{7} \times \frac{1}{2} =$ $\qquad 8 \div \frac{4}{6} =$

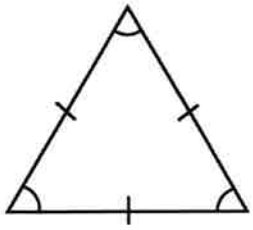
6. 5.G.A.2, 5.OA.B.3

Complete the table and find the rule.

X	Y
8	4
6	3
4	
	1

7. 5.G.B.3

Name the triangle and list its attributes.



8. 5.MD.A.1

Fill in the missing numbers.

_____ cm = 1 meter

3 meters = _____ cm

_____ in = 3 feet

5.5 feet = _____ in

Name: Weekly Math Quiz - Q1:2 Date:

1. 5th Grade Preview

Solve.

$$\begin{array}{r} 9.74 \\ +\ 0.93 \\ \hline \end{array} \qquad \begin{array}{r} 450.9 \\ -\ \ 1.4 \\ \hline \end{array}$$

2. 5.NBT.B.5

Find the product.

895 x 234

3. 5.NBT.B.6

Find the quotient.

$23\overline{)6{,}559}$

4. Review

Find the first 5 multiples and ALL the factors of 32.

Multiples:

Factors:

Is the number Prime or Composite?

5. Review

Simplify each fraction.

$\frac{8}{18}$ $\frac{6}{16}$

$\frac{12}{18}$ $\frac{9}{12}$

6. 5.OA.A.1

Evaluate the expression.

$\{172 - [5^3 + (30 \div 2) \times 3]\} + 5(8 + 3)$

7. 5.OA.A.2

Write an expression to show…

seven less than the product of five and eight

8. 5.NBT.B.5, 5.NBT.B.6

What multiplication and division problem is being modeled?

Name: Weekly Math Quiz – Q2:2 Date:

1. 5.NBT.B.7

Katelyn is 4.35 feet tall. Her older sister is 1.6 feet taller. How tall is Katelyn's older sister?

2. 5.OA.A.1, 5.OA.A.2

Write an expression to show…

the product of eight and two, minus the product of three and four

3. 5.NBT.A.2

Solve

$0.98 \times 10^2 =$

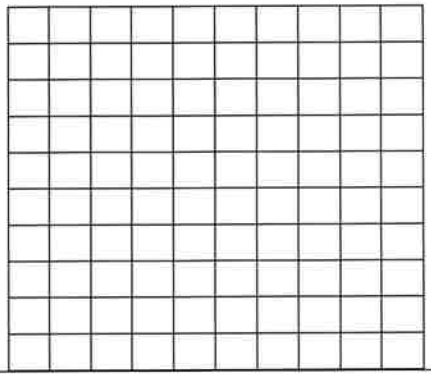
$16.3 \div 10^3 =$

$43.9 \times 10^3 =$

$1.4 \div 10^2 =$

4. 5.NBT.B.7

Draw a model for 0.9 x 0.9

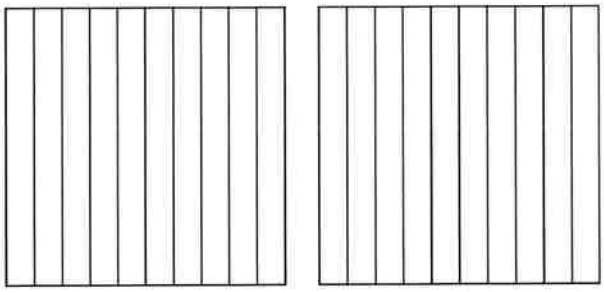


5. 5.NBT.B.7

A bottle of water costs $1.48 at the local store. If Edwin buys 8 bottles of water, how much will he spend?

6. 5.NBT.B.7

Draw a model for 1.6 ÷ 0.2



7. 5.NBT.B.7

Randle purchased 10.5 pounds of candy. He has to split it between 42 bags before the party begins. How many pounds of candy will each bag get?

8. Fraction Review

Decompose the fraction below in two different ways.

$\frac{5}{7}$

$\frac{5}{7}$

Name: Weekly Math Quiz – Q3:2 Date:

1. 5.NBT.B.7

Solve.

143.78 + 67.5

1,278.05 – 43.78

2. 5.NBT.A.3.A

Write the number in standard form and expanded form.

fifty-four and three tenths

3. 5.NBT.B.7

Solve

$$\begin{array}{r} 8.07 \\ \times\ \ 5.3 \\ \hline \end{array} \qquad 0.7\overline{)53.27}$$

4. 5.NF.A.2

Jamie spent 1 ½ hours swimming in the pool on Monday. On Tuesday, she swam for 2 ¼ hours. How many hours did Jamie swim in all?

5. 5.NF.B.4

Find the product.

$$\frac{3}{5} \times \frac{2}{3} =$$

6. 5.NF.B.6

Giovanni is heating up mini frozen pizzas in the microwave. Each pizza takes 3 ¾ minutes to cook. How long will it take Giovanni to heat up 3 pizzas?

7. 5.NF.B.7

Draw a model to find the quotient.

$$\frac{1}{2} \div 4 =$$

8. 5.NF.B.7

Find the quotient.

$$\frac{4}{5} \div 6 =$$

Name: Weekly Math Quiz – Q4:2 Date:

1. 5.OA.A.1, 5.OA.A.2

Write an expression to show…

forty-five increased by the quotient of fifty-four and nine

2. 5.NBT.A.3.B

Compare the numbers using >, <, or =.

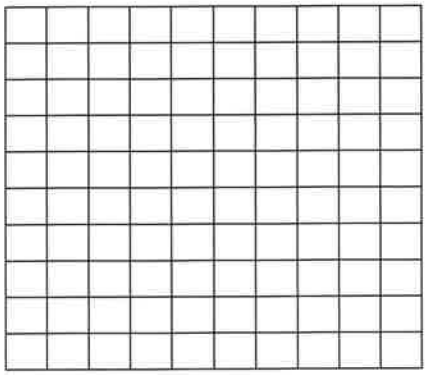
403.080 _____ 403.10

43.89 _____ 43.099

109.4 _____ 109.38

3. 5.NBT.B.7

Draw a model for 0.8 x 0.1



4. 5.NF.A.1

Solve

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

$4\frac{1}{10} - 1\frac{3}{5} =$

5. 5.NF.B.6, 5.NF.B.7.C

Watson has 4 yards of fabric. He would like to cut it into pieces measuring 2/5 of a yard. How many pieces will Watson be able to cut?

6. 5.G.A.2, 5.OA.B.3

Complete the table and find the rule.

X	Y
4	6
6	8
9	11
12	
	17

7. 5.G.B.3

Draw a shape with four sides and four angles. It must have only 2 sets of congruent sides and only 2 sets of congruent angles.

8. 5.MD.A.1

Fill in the missing numbers.

_____ cups = 2 quarts

32 ounces = _____ pints

_____ quarts = 2 gallons

_____ cups = 6 pints

Name: Weekly Math Quiz - Q1:3 Date:

1. 5th Grade Preview

Solve.

84.5 + 0.8

430.9 - 43.2

2. 5.NBT.B.5

Find the product.

9,251 x 73

3. 5.NBT.B.6

Find the quotient.

$16\overline{)6{,}008}$

4. Review

Simplify each fraction.

$\frac{15}{24}$ $\frac{6}{42}$

$\frac{35}{20}$ $\frac{18}{5}$

5. 5.OA.A.1, 5.OA.A.2

Evaluate the expression.

[(8 x 7) – 2] ÷ 9

6. 5.NBT.B.5, 5.NBT.B.6

Draw a model to represent the following problem.

32 ÷ 8

7. 5.NBT.A.3.A

Write the number in expanded form and word form.

347.85

8. 5.NBT.A.3.A

What is the place value of the underlined digit?

74.92 74.92

Name: Weekly Math Quiz – Q2:3 Date:

1. 5.NBT.B.7

In November, our city got 18.97 inches of rain. In December, our city got 23.59 inches of rain. How many more inches of rain did our city get in December than November?

2. 5.OA.A.1, 5.OA.A.2

Evaluate the expression.

$37 - 27 \times 2 \div 9$

3. 5.NBT.A.3.A

Write the number in standard form and word form.

$7 \times 10 + 5 \times 1 + 6 \times (1/100) + 2 \times (1/1{,}000)$

4. 5.NBT.B.7

Find the product.

$$\begin{array}{r} 87.45 \\ \times\ 0.58 \\ \hline \end{array} \qquad \begin{array}{r} 77.3 \\ \times\ 3.43 \\ \hline \end{array}$$

5. 5.NBT.B.7

Find the quotient.

$1.4\overline{)56.84}$

6. 5.NBT.B.7

Cassie purchased 8 pounds of apples for $14.88. How much does one pound of apples cost?

7. Fraction Review

Solve

$2\frac{3}{6} + 1\frac{4}{6} =$

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

8. Fraction Review

Frank ate 2/8 of the apple pie and Jose at 3/8 of the cherry pie. How much pie did Frank and Jose eat altogether?

Name: Weekly Math Quiz – Q3:3 Date:

1. 5.NBT.A.3.B

Compare the numbers using >, <, or =.

8.03 _____ 8.2

120.42 _____ 120.042

53.001 _____ 53.010

2. 5.NBT.B.7

Solve.

190.6 + 41.05

1,273.1 – 418.08

3. 5.NBT.B.7

William used 78.33 gallons of water to fill 3 children's pools. If each pool holds the same amount of water, how many gallons are in one children's pool?

4. 5.NF.A.1

Solve

$4\frac{2}{7} + 3\frac{1}{2} =$

$2\frac{7}{8} - 1\frac{3}{4} =$

5. 5.NF.B.4

Find the product.

$2\frac{1}{4} \times \frac{4}{5} =$

6. 5.NF.B.6

Tina baked some cookies. ½ of her cookies were peanut butter. ½ of the peanut butter cookies also had chocolate chips. What fraction of the cookies were peanut butter and had chocolate chips?

7. 5.NF.B.7

Find the quotient.

$4 \div \frac{3}{4} =$

8. 5.NF.B.7.C

Ms. Johnson is having a pizza party. Four students are going to share ½ a pizza. What fraction of the pizza will each student get?

Name: Weekly Math Quiz – Q4:3 Date:

1. 5.OA.A.1, 5.OA.A.2

Evaluate the expression.

$7(5 + 6) + 8^3$

2. 5.NBT.A.4

Round each number to the nearest…

tenth: 201.47

hundredth: 38.072

whole number: 39.711

3. 5.NBT.B.7

Solve

$$\begin{array}{r} 2.8 \\ \times\ 4.58 \\ \hline \end{array} \qquad 1.5\overline{)131}$$

4. 5.NF.A.2

Mario cooked ¾ of a pound of pasta. He ate 1/5 of the pasta. How much pasta is left over?

5. 5.NF.B.4, 5.NF.B.7

Solve

$\frac{2}{8} \times \frac{4}{5} =$ $\qquad 5 \div \frac{1}{7} =$

6. 5.G.A.2, 5.OA.B.3

Complete the table and find the rule.

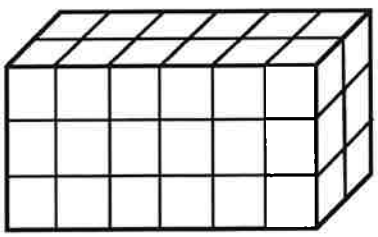
X	Y
2	5
4	11
5	14
8	
	29

7. 5.MD.A.1

Randle has a rope that is 450 centimeters. He needs a rope that is at least 4 meters long. Is his rope long enough? How many meters is his rope?

8. 5.MD.C.4

Use the formula L=LxWxH or V=BxH to find the volume of the rectangular prism.



Name: Weekly Math Quiz - Q1:4 Date:

1. 5th Grade Preview

Solve.

789.4 + 0.34

218.76 - 45.81

2. 5.NBT.B.5

Find the product.

34,765 x 205

3. 5.NBT.B.6

Find the quotient.

$32\overline{)4{,}907}$

4. 5.OA.A.1, 5.OA.A.2

Evaluate the expression.

$(48 \div 4^2 + 4) \times 12$

5. 5.NBT.A.3.A

Write the number in expanded form and word form.

8,080.436

6. 5.NBT.A.3.A

What is the place value of the underlined digit?

104.03<u>7</u> 104.<u>0</u>37

7. 5.NBT.A.3.B

Compare the numbers using >, <, or =.

8.04 _____ 8.40

78.006 _____ 78.01

528.3 _____ 528.300

8. 5.NBT.A.2

Solve

8.05 x 10 =

$8.05 \times 10^2 =$

$8.05 \times 10^3 =$

$8.05 \times 10^4 =$

Name: Weekly Math Quiz – Q2:4 Date:

1. 5.NBT.B.7

Vickie downloaded two apps on her iPhone. The first app was $5.99 and the second app was $14.33. How much did Vickie spend on apps?

2. 5.OA.A.1, 5.OA.A.2

Add parenthesis to the expression below so that it equals 29.

7 x 5 – 2 + 8

3. 5.NBT.A.3.B

Compare the numbers using >, <, or =.

74.030 _____ 74.1

89.2 _____ 89.200

90.31 _____ 90.302

4. 5.NBT.B.7

Find the product.

$$\begin{array}{r} 29.8 \\ \times\ 5.4 \\ \hline \end{array} \qquad \begin{array}{r} 7.19 \\ \times\ 0.07 \\ \hline \end{array}$$

5. 5.NBT.B.7

Find the quotient.

$0.7\overline{)6.510}$

6. 5.NBT.B.7

Emma can run one mile in 6.78 minutes. How long will it take her to run 4 miles?

7. Fraction Review

Simplify each fraction.

$\frac{22}{18}$ $\frac{21}{9}$

$\frac{14}{21}$ $\frac{16}{24}$

8. 5.NF.A.1

Solve

$\frac{2}{3} + \frac{3}{4} =$

$\frac{4}{5} - \frac{1}{3} =$

Name: Weekly Math Quiz – Q3:4 Date:

1. 5.NBT.A.4

Round each number to the nearest…

tenth: 429.45

hundredth: 619.509

whole number: 6.388

2. 5.NBT.B.7

Gina has $87 in her piggy bank. She spends $32.67 on a gift for her sister. How much money does Gina have left?

3. 5.NBT.B.7

Solve

$$\begin{array}{r} 12.9 \\ \times\ 4.53 \\ \hline \end{array} \qquad 5.4\overline{)92.58}$$

4. 5.NF.A.2

Dan has ¾ of a cake left over from his birthday party. His best friend Amy ate 1/7 of the left-over cake. How much of the cake does Dan have left?

5. 5.NF.B.4

Find the product.

$$\frac{5}{12} \times \frac{8}{9} =$$

6. 5.NF.B.6

Nina needs to purchase 1/3 of a pound of chicken for each person in her family. There are eight people in her family. How many pounds of chicken will Nina need to purchase?

7. 5.NF.B.7

Draw a model to find the quotient.

$$\frac{5}{6} \div 2 =$$

8. 5.NF.B.7.C

Michelle cooked ½ a pound of chicken for dinner. Three people are going to be sharing the chicken. What fraction of the chicken will each person get?

Name: Weekly Math Quiz – Q4:4 Date:

1. 5.OA.A.1, 5.OA.A.2

Add parenthesis to the expression below so that it equals 20.

$8 - 4 \div 2 \times 10$

2. 5.NBT.A.2

Solve

$54.3 \times 10^2 =$

$0.8 \div 10^3 =$

$9.01 \times 10^3 =$

$7.02 \div 10^2 =$

3. 5.NBT.B.7

Owen found a Harry Potter book for $12.38. He would like to buy one for each of his 4 friends. How much will he spend?

4. 5.NF.A.1

Solve

$2\frac{5}{6} + \frac{1}{3} =$

$2\frac{2}{3} - \frac{3}{4} =$

5. 5.NF.B.6, 5.NF.B.7.C

Timothy's mom bought 7/8 of a pound of grapes. She wants to split it between 8 kids. What fraction of the grapes will each kid get?

6. 5.G.A.2, 5.OA.B.3

Complete the table and find the rule. Graph the coordinates.

X	Y
1	4
3	6
4	7
7	

7. 5.MD.A.1

Tina would like to drink 64 ounces of water. How many quarts must she drink?

8. 5.MD.C.4

Find the volume.