Summer Math 2022

Students Entering 6th Grade

Dear Rising 6th Grade Students and Families,

Congratulations on a phenomenal year in 5th grade mathematics!!! We are proud of each student and celebrate the great math thinking and growth we experienced this year.

The following skills has been identified as the most critical for students as they start 6th grade. Students should work through this packet with the goal that they are proficient in these skills in September. I would also recommend using Khan Academy and IXL.com as a resource for clearing up misconceptions or additional practice.

This assignment will be your first graded Math assignment!!!! Please, try to spread the work out on separate days—each page should take no more than 20 minutes, and some should take a lot less time. Clearly, your work on this packet should not just be a list of answers, but should show your work so we can see how you are thinking.

This packet is due on Friday, September 9, 2022

Next year, we will do a lot of work with fractions, decimals, and percentages. Be on the look-out this summer for ways in which you use them in real life. Here are some ways that you might practice this summer:

• Cook with your family - recipes often use fractional measurements. How would you double or "half" the recipe?

• Shop for bargains. Notice the "sale" signs, and what they mean. If I have a "20% off" coupon, what will be the sale price?

• Work with money - estimate the price of your groceries, make change, figure out the best deal by using unit price.

• Figure out the tip —if your family is at a restaurant, figure out how to determine the amount to leave for a tip.

Thank you for your partnership around math education at Pierce! Have a great summer!

All the best,

Ms Keyes

Refresher Worksheet 1

Multiplication of Whole Numbers



Please, find the following products and show your work in a clear and organised way.

1) 12 x 95 =	2) 980 x 79 =

3) 48 x 61 =	4) 519 x 71 =
5) 157 x 92 =	6) 510 x 94 =
7) 1,054 x 42 =	8) 2,469 x 22 =

Refresher Worksheet 2 Division of Whole Numbers



Please, find the following quotients and show your work in a clear and organized way.

1) 1,575 ÷ 63 =	2) 832 ÷ 52 =

3) 658 ÷ 14 =	4) 2,952 ÷ 72 =
5) 1,104 ÷ 23 =	6) 3,220 ÷ 16 =
7) 7,200 ÷ 9 =	8) 78,182 ÷ 97 =

Refresher Worksheet 3 Understanding Decimals

Please, complete the chart. Fill in the whole number tenths, hundredths and thousandths columns with the correct number. Use zeros as placeholders where necessary.

Number	Whole number	Tenths (<i>x</i> 10 ⁻¹)	Hundredths (x 10 ⁻²)	Thousandths (x 10 ⁻³)
3.751				
4.891				
1.608				
10.540				
9.618				
2.198				
0.208				
0.005				
1.7				
2.398				
6.0				
107.673				

Refresher Worksheet 4 Adding and Subtracting Decimal Numbers



Please, find the following sums or differences. Show your work in a clear and organized way.

1) 32.5 + 82.4 =	2) 71.8 – 20.2 =

3) 144.97 + 837.66 =	4) 248.23 – 80.89 =
5) 206.619 + 93.11 =	6) 419.6 – 146.48 =
7) 3.45 + 5.6 - 2.309 =	8) 10.0 – (4.57 + 2.35) =

Refresher Worksheet 5 Irreducible Forms of Fractions



Please, find the irreducible form of each fraction. Show your work.



Refresher Worksheet 6 Improper Fractions and Mixed Numbers



Please, write <u>the improper fraction as a mixed number</u> or <u>the mixed number as an</u> <u>improper fraction</u>. Show your work.



Refresher Worksheet 7 Adding and Subtracting Fractions



Please, find the following sums or differences. Show your work in a clear and organized way.







What's My Number Riddles?

Use the clues to find each number.

- 1)
- If divided by 10, the remainder is 2
- If divided by 4, the remainder is 0
- It is less than 50
- The sum of the digits is 5

What's My Number?

2)

- If divided by 3, the remainder is 1
- If divided by 100, the remainder is 0
- It has three digits
- It has less than 400

What's My Number?

3)

- If divided by 25, the remainder is 0
- If divided by 8, the remainder is 5
- It is more than 500
- It is less than 600

What's My Number?

4)

- If divided by 3, the remainder is 0
- If divided by 53, the remainder is 0
- It is more than 300
- It is less than 500

What's My Number?