



Anagha's Math

Anagha's Math Level 6 Int- Week 10

We specialize in Advanced & School Level Math coaching for Grades: K- 12
 In-person & Online Math Group classes, Privates, Semi-Privates
 Our Mission: To educate, motivate and encourage every student to excel in mathematics.
 Email: admin@anaghasmath.com Website: <https://www.anaghasmath.com>
 Phone: (908)705-5397 & (425)830-9664
 Correspondence Address: 7040 Cascade Ave SE, Snoqualmie, WA 98065

Topics covered in class	Pages explained in class	Required Homework pages (2 Moola point)
*Review of concepts covered in the previous weeks	Difficult concepts from this packet will be reviewed in class and the rest of the packet is homework.	Full packet is required homework this week

Test 1 will be conducted during regular class next week.
 Use Answer-keys posted on Teams for Weeks 9 and 10. They are the review materials for Test 1

Test 1 Information:

- Test 1 in Week 11 during regular class. Study material in Weeks 9 and 10 packet.
- Sample test available for practice on Teams General channel during week 10.

For Online Students:

- Test link on Teams General channel. It will be Active ^{only} during class time.
- Latecomers may not complete the test. Tests that are ^{not} submitted cannot be retrieved by us.
- Report cards will be posted on student channels by week 12.

For In-person Students:

- Paper test during regular class. Graded tests will be returned by week 12.

Moola Credits:

- Level K-5 (15 Moolas): \$5 Amazon Gift Card. Level 6-9 (15 Moolas): Five extra test points.

Make-up Tests and Other Test-related Information:

- Missed class, take the test in make-up class.
- At-home make-up/retake test link emailed to parents on Friday evening.
- Must be taken under parent supervision by Sunday night.
- Writing supplies are allowed for all levels.
- **Grades K-6 Intermediate:** No calculators, media devices, or reference materials.
- **Grades 6 Adv-10:** No media devices/reference materials, but calculators allowed.



"Success during a test depends on the preparation put in before the test."

**** GOOD LUCK TO ALL STUDENTS****

Teacher/ TA Homework Grading & Comments:

For In-Person student use only

STUDENT NAME: _____

Students, complete homework to the best of your ability & check work using the answer keys posted in TEAMS.

Has the student checked packet using Answer Key?	Required homework (1 Moola earned)	Extra credit homework (1 Moola earned)	Total Moolas earned this week.	Teacher/TA Name
Yes / No	Yes / No	Yes / No	0 1 2	



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About Us:

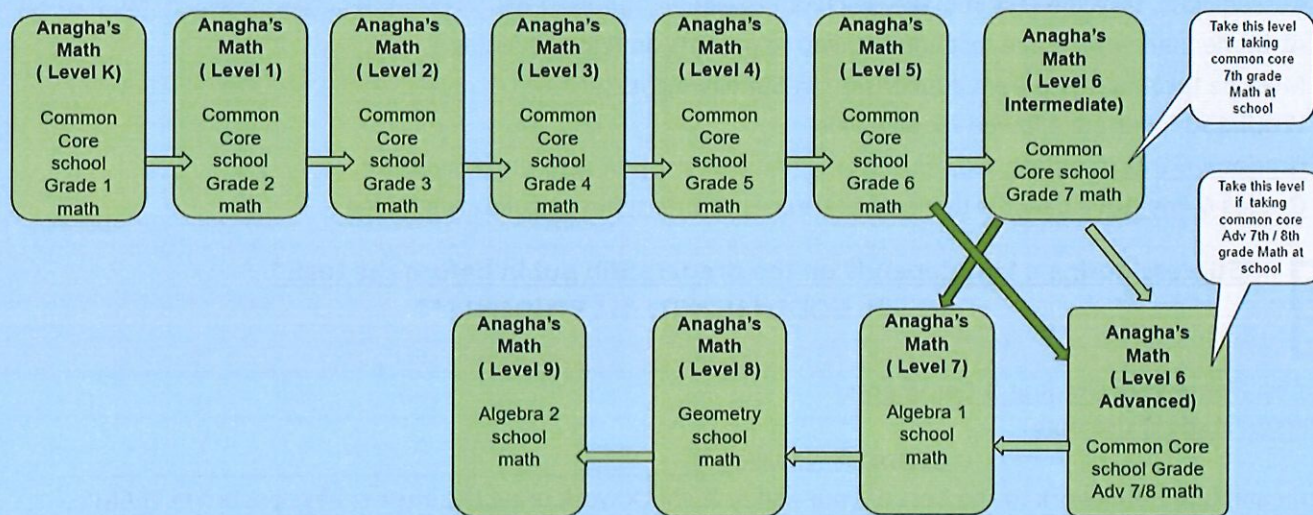
- We offer Advanced and School level math coaching to students from kindergarten to 12th grade.
- Classes are conducted In-person & online as small groups, private & semi-private tutoring throughout the year.
- Our teaching methodology and course curriculum enables students to learn mathematical fundamentals and concepts at their very foundations.
- This ensures a love for mathematics which then naturally flows into a successful school year with excellent grades.
- Anagha's Math Classes started with just a handful of students in Snoqualmie, WA. USA over 10 years ago.
- Today we have more than six hundred students nationwide and are still growing!
- The biggest compliment is our students continue with us over years till the end of the program.
- We are completely student-need focused and make our children be confident and independent Mathematicians!

Why our program is so effective?

- Our students develop lifelong critical thinking skills.
- Our curriculum not only meets common core requirements but also provides graduated challenges to those sharp eager minds!
- We are not dictated by any corporate office to deliver a set pattern of teaching material to our students.
- We have the flexibility to adapt our curriculum to match that of multiple school districts in USA.

Congrats to all our students! 95% of our students are in Advanced math at school.

Anagha's Math flowchart in comparison to school grades in USA



Program Highlights

- We offer in-person and online classes (Academic year and Summer programs).
- Unique one of a kind curriculum specifically designed to go beyond the needs of any school district in in United States.
- Our teaching style inculcated understanding on mathematics in a way that grows student confidence and ensures academic success.
- Experienced teachers who teach tips and tricks to mentally compute and/or solve problems in step by step manner.

Hint: $x = 1(x) = 1x$, $m = 1(m) = 1m$
and So on..

1, 2

1	If $a = -2, b = 3$ and $c = 1$, Find the value of		
a)	$(14 - 2a)$	$\left(\frac{-4}{3}b\right)^2$	$(2a + 3c)$
b)	$(-b + c)^3$	$(-2a - b)$	$a^2 - b + c^2$
2	Simplify		
a)	$2(ab - 3)$	$2y^2(y - 4)$	$(-5)(x^2 - 4)$
b)	$(-2a - 5b) - (4a)$	$(-2a - 5b) * (3a)$	$(m)(x^2)(y)$
c)	$(a^2 * a^2) * (2b)$	$-2(a^3 * a^2)$	$(x^2)(x^3)$
3	List down all the prime numbers from 1- 80		

Hint: $x = 1(x) = 1x$, $a = 1(a) = 1a$
and so on.

full

1	Simplify		
	a)	$3x - 4y - 2x - 7y$	$(-y - 2x) + (3y + x)$
	b)	$3a + (-2b) - 4b - 6a$	$(-2a) + (-2b) - (2a - 3b)$
c)	$(-4a - 3b) + 2(3 - 5a)$	$(-4p + 3q) - (-5q + 2p)$	
	2 Collect like term and operate		
a)	$(2x^3 + 7) - (x^3 + 8) =$		<input type="text"/>
	b)	$(4x^3 - x^2) + (3x^2 - 5x^3) =$	
c)		$(4x^2 + 2x^3) - (2x^3 + 5x^2) =$	
	d)	$(2 - 4x^4) - (8x^4 + 3) =$	
3	Is 45,890 completely divisible by 4?	Is 45,890 completely divisible by 5?	Is 45,890 completely divisible by 6?
	Yes / No	Yes / No	Yes / No

2,3,4

1	Is 56,900 completely divisible by 4?	Is 56,900 completely divisible by 5?	Is 56,900 completely divisible by 6?																								
	Yes / No	Yes / No	Yes / No																								
2	Is 35,841 completely divisible by 3?	Is 56,900 completely divisible by 9?	Is 6,900 completely divisible by 6?																								
	Yes / No	Yes / No	Yes / No																								
3	Find the sum of the two smallest numbers <table border="1" style="width: 100%;"> <tr> <td>13</td> <td>-7</td> <td>6</td> <td>-14</td> </tr> <tr> <td>9</td> <td>24</td> <td>-35</td> <td>-18</td> </tr> </table>	13	-7	6	-14	9	24	-35	-18	Find the sum of the two smallest numbers <table border="1" style="width: 100%;"> <tr> <td>-13</td> <td>-7</td> <td>-6</td> <td>-14</td> </tr> <tr> <td>9</td> <td>-24</td> <td>35</td> <td>18</td> </tr> </table>	-13	-7	-6	-14	9	-24	35	18	Find the sum of the two largest numbers <table border="1" style="width: 100%;"> <tr> <td>13</td> <td>-7</td> <td>6</td> <td>-14</td> </tr> <tr> <td>9</td> <td>24</td> <td>-35</td> <td>-18</td> </tr> </table>	13	-7	6	-14	9	24	-35	-18
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9	-24	35	18																								
13	-7	6	-14																								
9	24	-35	-18																								
4	Write in Scientific form																										
	a) 0.00078	0.985	79.58																								
	b) 0.0062	0.32	610.5																								
c) 0.00035	0.45321	6100.5																									
5	Write in standard form																										
	a) 8.17×10^2	8.17×10^{-2}	3.174×10^1																								
	b) 8.17×10^3	8.17×10^{-3}	8.1555×10^3																								
	c) 8.17×10^4	8.17×10^{-4}	7.502×10^2																								
	d) 4.333×10^3	4.376×10^{-1}	7.502×10^{-1}																								
e) 4.333×10^5	4.376×10^{-2}	8.1555×10^{-1}																									

1	What is the square of 1.3?	What is the square of 19?	What is the square of (-15) ?
2	What is the cube of 8?	What is the cube of 0.6?	What is the cube of (-5) ?
3	Solve: $6^2 \div [(2 + 4) \times 2^3]$	Solve: $50 + 6(12 \div 4) + 8^2$	Solve: $(5^2 - 4) \times 2 - 18$
4	What number is 5 units to the left of -7 ?	What number is 10 units to the left of 4?	What number is 3 units to the left of -11 ?
5	What number is 5 units to the right of -3 ?	What number is 10 units to the left of -1 ?	What number is 7 units to the left of -11 ?
6	What is the opposite of 5?	What is the opposite of -10 ?	What is the opposite of 0?
7	What is the absolute value of 5?	What is the absolute value of -10 ?	What is the absolute value of -15 ?

1	$- -13 =$	$- (1 - 3) =$	$- (-1 - 3) =$
2	$- -1 * 3 =$	$- (-1 * -3) =$	$- (-12 \div 3) =$
3	$(-3) \times (-2) \times (-1) =$	$(-3) + (2) \times (-1) =$	$(-3) + (2) - (-1) =$
4	$(-3) - (-2) - (-1) =$	$(-3) * (-4) \times (-2) =$	$(-3) + (-4) * (-2) =$
5	$(-12) \div (4) =$	$(-12) \div (-4) =$	$(-12) \div (-4) + 2 =$
6	$(-20) \div (-5) - 3 =$	$(-20) \div (5) - 3 =$	$(-20) \div (-5) + 3 =$
7	$(-12) + (-14) - 1 =$	$(-12) - (-14) + 1 =$	$(-12) - (-14) - 1 =$
8	$400 \div 1000 =$	$5.003 \div 10 =$	$0.06 \div 100 =$

1	4.312×0.2	3.103×30	$0.056 * 0.03 =$
2	$9.0056 + 3.1987 =$	$9.0056 - 3.1987 =$	$-0.0056 - 3.1001 =$
3	What is 45.8976 rounded to the tenth place?	What is 45.8976 rounded to the hundredth place?	What is 45.8976 rounded to the thousandth place?
4	What is 45.8976 rounded to the tens place?	What is 45,897 rounded to the hundreds place?	What is 45,897 rounded to the thousands place?
5	The sum of what number and 1.67 is 5?	What should be added to 5 to get -13 ?	What should be subtracted from 5 to get -13 ?
6	What should be added to -5 to get -13 ?	What should be multiplied by -7 to get -49 ?	What should be multiplied by -7 to get 4.9?

6 I/10 - Pg 6

full

1	Write all factors of 88 <table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>																					Write all factors of 200 <table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>																					Write all factors of 160 <table border="1"><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td></tr></table>																				
2	Find the interest earned if \$520 is invested at 4% simple interest for 3 years?	Find the amount earned if \$3600 is invested at 2% simple interest for 5 years?	In how many years will an investment of \$1200 earn a simple interest of \$180 at 3%?																																																												
3	What is the greatest common factor of 12 and 18?	What is the greatest common factor of 200 and 140?	What is the greatest common factor of 12, 16 and 24?																																																												
4	What is the least common multiple of 12 and 18?	What is least common multiple of 20 and 14?	What is the least common multiple of 12, 16 and 20?																																																												

1	If $3 + x - 6 = 24$, what is x ?	If $3x + 6 = 24$, what is x ?	If $3x - 6 = 24$, what is x ?
2	The product of 8, negative 3, and a number is 24. What is the number?	The product of negative 8, negative 3, and a number is negative 24. What is the number?	The sum of 8, negative 3, and a number is 24. What is the number?
3	What is one-third of one-fifth?	What is two-third divided by one-sixth?	What is the product of two-third and one-sixth?
4	What is the sum of odd numbers between 140 and 145?	What is the sum of odd numbers from 140 and 145?	What is the different between the largest and the smallest two digit prime number?
5	$2^5 \times 5^2 =$	$2^4 + (2 * 3)^2 =$	$2^4 - (2 * 3)^2 =$
6	4 grams = _____ milligrams	13.4 grams = _____ milligrams	0.03 grams = _____ milligrams

full

1	Write as a fraction			
	56%	1.8%	14.78	0.009

2	Write as a decimal			
	43%	1.5%	$\frac{2}{5}$	$\frac{9}{25}$

3	Write as a percent			
	0.07	0.8	$\frac{8}{20}$	$\frac{18}{150}$

4	What is 30% of 150?	What is 28% of 75?	5% of what number is 21?	15% of what number is 21?

1	Simplify			
a)	$(2n^2) + (3n^2) =$	$(2n^2) + (-3n^2) =$	$(-2n^2) + (3n^2) =$	$(-2n^2) - (3n^2) =$
b)	$(2n^2) * (3n^2) =$	$(2n^2) * (-3n^2) =$	$(-2n^2) * (3n^4) =$	$(-n^3) * (3n^4) =$
c)	$(5a) + (3b - 7a) + 6b =$	$(5a) - (3b - 7a) + 6b =$	$(5a) - (b - 7a) - 6b =$	
d)	$3(2a - 7b) =$	$-3(2a - 7b) =$	$(-3)(-2a + 7b) =$	
2	Write in expanded form			
a)	$(4.5)^3 =$			
b)	$\left(\frac{6}{7}\right)^4 =$			
c)	$\left(\frac{-6}{11}\right)^3 =$			
3	Write as decimal:			
a)	Forty two and nine thousandth	One thousand and one thousandth		
b)	Seventy eight and thirty six hundredth	Seven hundred nine and twenty two thousandth		
c)	Ten thousand and nine tenth	Two hundred seventeen and five hundredth		

1	<p>In the number 34,897,150</p> <p>The digit 7 is in _____ place. It's place value is _____.</p> <p>The digit 8 is in _____ place. It's place value is _____.</p> <p>The digit 4 is in _____ place. It's place value is _____.</p> <p>The digit 3 is in _____ place. It's place value is _____.</p>			
2	<p>In the number 897.1542</p> <p>The digit 5 is in _____ place. It's place value is _____.</p> <p>The digit 2 is in _____ place. It's place value is _____.</p> <p>The digit 4 is in _____ place. It's place value is _____.</p> <p>The digit 1 is in _____ place. It's place value is _____.</p>			
3	<p>Write in expanded form as a decimal and as fraction: 738.145</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="padding: 5px;">Decimal</td> </tr> <tr> <td style="padding: 5px;">Fraction</td> </tr> <tr> <td style="padding: 5px;">Exponential form</td> </tr> </tbody> </table>	Decimal	Fraction	Exponential form
Decimal				
Fraction				
Exponential form				
4	<p>Write in expanded form as a decimal, fraction and exponential form: 67.4594</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="padding: 5px;">Decimal form</td> </tr> <tr> <td style="padding: 5px;">Fraction form</td> </tr> <tr> <td style="padding: 5px;">Exponential form</td> </tr> </tbody> </table>	Decimal form	Fraction form	Exponential form
Decimal form				
Fraction form				
Exponential form				

1	Write in expanded form as a decimal, fraction and exponential form: 30.078		
	Decimal form		
	Fraction form		
Exponential form			
2	State if the decimal form of the given fraction is a terminating or recurring decimal		
	$\frac{1}{3}$	$\frac{3}{11}$	$\frac{5}{8}$
Terminating / Recurring			Terminating / Recurring
Terminating / Recurring			Terminating / Recurring
3	Prime factorize		
	640	700	450

1	The sum of what number and 1.607 is 7?	What should be added to 9 to get -15 ?	What should be subtracted from -9 to get -13 ?
2	What should be added to -12 to get -13 ?	What should be multiplied by -6 to get -0.54 ?	What should be multiplied by -4 to get 4.08?
3	$(-37) - (-42) - (-1) =$	$(-7) * (-4) - (-2) =$	$(-3) + (-8) * (-3) =$
4	$-14 + (-12) \div (4) =$	$9 - (-12) \div (-4) =$	$(-12) \div (-4) + (-2) =$
5	$(-30) \div (-5) - 17 =$	$(-20) \div (5) + 17 =$	$(-20) \div (-5) * -3 =$

1	$(-12) + (-6) - 11 =$	$(-12) - (-14) + 11 =$	$(-12) - (-14) \div 2 =$	
2	$600 \div 1000 =$	$5.008 \div 10 =$	$0.09 \div 100 =$	
3	Write as a fraction			
	46%	1.6%	14.35	0.007
4	Write as a decimal			
	42%	1.5%	$\frac{2}{5}$	$\frac{9}{25}$
5	Write as a percent			
	0.07	0.8	$\frac{8}{20}$	$\frac{18}{150}$

1	Write 0.000072900 in scientific notation	What is the product of one-fourth and the sum of one-half and one-third?	What is the reciprocal of the sum of the reciprocals of three and four?
2	<p>What is 30% of 180?</p> <p style="text-align: right;"><input type="text"/></p>	<p>What is 28% of 70?</p> <p style="text-align: right;"><input type="text"/></p>	
	<p>5% of what number is 26?</p> <p style="text-align: right;"><input type="text"/></p>	<p>15% of what number is 33?</p> <p style="text-align: right;"><input type="text"/></p>	
	<p>What is 18% of 400?</p> <p style="text-align: right;"><input type="text"/></p>	<p>What is 20 % of 150</p> <p style="text-align: right;"><input type="text"/></p>	

1 Solve the following fraction operations

$$\frac{1}{7} \times \left(-4\frac{2}{3}\right)$$

$$\frac{1}{7} + \left(-4\frac{2}{3}\right)$$

$$\frac{1}{7} \div \left(-4\frac{2}{3}\right)$$

$$\frac{1}{3} - \frac{1}{2} - \left(-\frac{1}{5}\right)$$

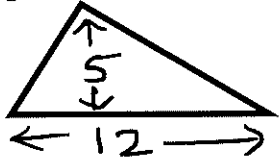


$$\frac{1}{3} - \frac{1}{2} * \left(-\frac{1}{5}\right)$$

$$\frac{2}{3} - 2\frac{1}{2} - \left(-1\frac{1}{3}\right)$$

2

- a) The sum of the ages of Sam (present age is x years) and his sister (present age is m years) after 2 years can be written as the expression _____ years
- b) Amanda is 4 times as old as Laura. If Laura's present age is x years, write the expression to show Amanda's age 5 years ago. _____ years

<p>1 Which of the following numbers is the largest value? $\frac{3}{6}$, $\frac{1}{3}$, $\frac{1}{5}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 50px; height: 50px; border: 1px solid black;" type="text"/> </div>	<p>Which of the following numbers is the smallest value? $\frac{3}{7}$, $\frac{4}{9}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 50px; height: 50px; border: 1px solid black;" type="text"/> </div>	<p>What number should be added to $\left(\frac{3}{10}\right)$ to get $\left(\frac{3}{7}\right)$?</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 50px; height: 50px; border: 1px solid black;" type="text"/> </div>	
<p>2 If $s = -3$ and $t = 1$, find the value of</p>			
<p>$(-2) \times 10 \div t$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$s \times (-4) - 2(t)$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$(s + t)^3$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	
<p>3 Write as a decimal</p>			
<p>$\frac{13}{10}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$\frac{2}{5}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$\frac{33}{20}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$\frac{15}{50}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>
<p>4 Write as a percentage</p>			
<p>$\frac{13}{10}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$\frac{2}{5}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$\frac{33}{20}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>	<p>$\frac{15}{50}$</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 30px; border: 1px solid black;" type="text"/> </div>
<p>5 Write as a fraction</p>			
<p>16%</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 50px; border: 1px solid black;" type="text"/> </div>	<p>0.5%</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 50px; border: 1px solid black;" type="text"/> </div>	<p>0.05%</p> <div style="text-align: center; margin-top: 20px;"> <input style="width: 80px; height: 50px; border: 1px solid black;" type="text"/> </div>	

1	<p>Find the value of x</p> $3x + 2 = -19$ <div style="border: 1px solid black; width: 150px; height: 20px; margin-left: auto; margin-right: auto; text-align: center;">$x =$</div>	$3(x - 2) = -9$ <div style="border: 1px solid black; width: 150px; height: 20px; margin-left: auto; margin-right: auto; text-align: center;">$x =$</div>	
	$4 - 2x = -10$ <div style="border: 1px solid black; width: 150px; height: 20px; margin-left: auto; margin-right: auto; text-align: center;">$x =$</div>	$4 - (x - 5) = 12$ <div style="border: 1px solid black; width: 150px; height: 20px; margin-left: auto; margin-right: auto; text-align: center;">$x =$</div>	
2	<p>What is the area of the given triangle? Base = 12 cm, Height = 5 cm</p> 	<p>What is the area of a parallelogram with base 12.2 inches and height 5 inches?</p> 	<p>Find the area of a square shaped painting with each side is 2.1 feet?</p>
	Sq cm	Sq. inches	Sq. feet
3	<p>The area of a triangle is 120 sq. meters. What is the height of the triangle if the base is 40 meters?</p> 	<p>12 vehicles are parked in a parking lot. If every 3rd vehicle has 6 wheels and all other vehicles have 4 wheels each. How many wheels is that in all?</p>	<p>It takes the sound of thunder five seconds to travel a mile. How far away, in miles, is the thunder if it takes the sound 55 seconds to reach you?</p>
	m	wheels	miles

1	<p>What is 8% of 150?</p>	<p>What number is 12 units on the left of (-5) on an integer number line?</p>	<p>What number is 12 units on the right of (-5) on an integer number line?</p>																		
2	<p>What is the interest earned if \$4000 are invested in a bank for 2 years at the rate of 4% per year?</p> <table border="1" data-bbox="142 541 386 741"> <tr><td>P</td></tr> <tr><td>R</td></tr> <tr><td>T</td></tr> <tr><td>I</td></tr> <tr><td>A</td></tr> <tr><td>$I = PRT, A = P + I$</td></tr> </table>	P	R	T	I	A	$I = PRT, A = P + I$	<p>If Ben invested \$800 in a bank at 2% per year interest. How much money will he have in his account in all at the end of 5 years.</p> <table border="1" data-bbox="634 583 878 783"> <tr><td>P</td></tr> <tr><td>R</td></tr> <tr><td>T</td></tr> <tr><td>I</td></tr> <tr><td>A</td></tr> <tr><td>$I = PRT, A = P + I$</td></tr> </table>	P	R	T	I	A	$I = PRT, A = P + I$	<p>Find the simple interest earned if \$900 is invested at 11% for 2 years.</p> <table border="1" data-bbox="1112 510 1356 709"> <tr><td>P</td></tr> <tr><td>R</td></tr> <tr><td>T</td></tr> <tr><td>I</td></tr> <tr><td>A</td></tr> <tr><td>$I = PRT, A = P + I$</td></tr> </table>	P	R	T	I	A	$I = PRT, A = P + I$
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3	<p>What is the interest earned if \$500 are invested in a bank for 2 years at the rate of 10% per year?</p> <table border="1" data-bbox="142 1140 386 1339"> <tr><td>P</td></tr> <tr><td>R</td></tr> <tr><td>T</td></tr> <tr><td>I</td></tr> <tr><td>A</td></tr> <tr><td>$I = PRT, A = P + I$</td></tr> </table>	P	R	T	I	A	$I = PRT, A = P + I$	<p>For how many years was \$600 invested in a bank to earn an interest of \$30 at the rate of 1% per year?</p> <table border="1" data-bbox="634 1140 878 1339"> <tr><td>P</td></tr> <tr><td>R</td></tr> <tr><td>T</td></tr> <tr><td>I</td></tr> <tr><td>A</td></tr> <tr><td>$I = PRT, A = P + I$</td></tr> </table>	P	R	T	I	A	$I = PRT, A = P + I$	<p>How much money was invested at 5% per year in a bank for 8 years to earn an interest of \$240?</p> <table border="1" data-bbox="1112 1140 1356 1339"> <tr><td>P</td></tr> <tr><td>R</td></tr> <tr><td>T</td></tr> <tr><td>I</td></tr> <tr><td>A</td></tr> <tr><td>$I = PRT, A = P + I$</td></tr> </table>	P	R	T	I	A	$I = PRT, A = P + I$
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4	<p>Find the product of the smallest and the largest number $(\frac{1}{2}, -\frac{2}{5}, \frac{1}{3}, -\frac{1}{4}, 0)$</p> <div style="float: right; border: 1px solid black; width: 80px; height: 60px; margin-top: 20px;"></div>																				

1	The number of mosquitoes in a pond doubles every day. If there are nine mosquitoes in the pond on Monday, how many mosquitoes will be in the pond on Thursday?	Find the median of the following set of numbers: 12, 19, 7, 23, 3, 16, 14, and 33.		
Mosquitoes				
2	Find Average of the following data 13, 12, 15, 19, 16	Find Mean, Median, Mode and Range of the following data 13, 13, 13, 13, 14, 14, 16, 18, 21		
Average		Mean	Median	Mode
				Range
3	True or False			
a) 9 hundreds in more than 9 thousands.		True or False		
b) 9 hundredth in more than 9 thousandth.		True or False		
c) Five-tenth multiplied by 1000 is equal to five hundreds.		True or False		
d) The product of nine tens and one hundred is a thousand.		True or False		
e) Six-tenth + six- hundredth = six- thousandth		True or False		
f) Six-tens + six- hundredth = 6.06		True or False		
g) Six-tens + six- hundredth = 6.6		True or False		
h) Nine-tens + Nine- tenth = 9.9		True or False		
i) Nine-tens + Nine- tenth = 9.09		True or False		
j) $40 \div 10000 = 0.04$		True or False		
k) $5.73 \times 0.01 = 0.573$		True or False		
l) $8.45 \times 10^4 = 84500$		True or False		
m) $8.45 \div 10^4 = 8.4500$		True or False		

1	Which of the following satisfies $(y - 3)(3y + 4) = -12$?	
a)	i) $y = -1$ ii) $y = 0$ iii) $y = 3$ iv) $y = 5$	
b)	Which of the following satisfies $\frac{20}{t+1} + 1 = 5$?	
c)	i) $n = 6$ ii) $n = 5$ iii) $n = -5$ iv) $n = 8$	
2	Solve: $-3 + (-5) * (-2) - 6$	Solve: $-3 - (-5) * (-2) - 6$
3	Solve: $-3 + (-5) - 4(-2) - 6$	Solve: $3 + (-6) \div (-2) - (-6)$

1	Solve: $ -3 - 7 + (-6)$	Solve: $- -3 + 7 + (-6)$	
2	Solve: $- -3 * 7 + (-6)$	What is the product of negative three and positive nine?	
3	What number is 5 units to the right of negative seventeen?	What number is 19 units to the left of positive fourteen?	
4	What is 56.9674 rounded to the tenth place?	What is 56.9674 rounded to the hundredth place?	What is 56.9674 rounded to the thousandth place?
5	What is 56.9674 rounded to the tens place?	What is 56,967 rounded to the hundreds place?	What is 56,967 rounded to the thousands place?