2017 Summer Math Packet
for students who have completed 5th grade

Congratulations, you made it through your math class this year! Your fabulous prize will be an even more challenging and interesting math class for next year. Yay!

Here is a packet to do over the summer to keep your math skills sharp, because we want you to be ready for your new math class in the fall. The packet is 30 pages long, and summer is about 10 weeks long. So you should be completing about 3 pages a week in order to stay on track.

Complete your summer packet on separate paper without using a calculator, and remember to show all of your work. Do not do the whole packet right away, or you will forget some of the concepts before the fall. Do not leave the packet until the end of the summer, or you will have forgotten some of the concepts.

You have learned how to do everything in this packet at some point during the year, there is nothing new. Use your notes to help you with the packet. If you get completely stuck, then give one of us a call.

Bring the packet with you to your new math class in the fall. You will have a quiz during the first week of class to make sure you have done the packet and are ready for your new math class. Your math teacher might even give you extra credit for your summer math packet. Who doesn't love extra credit?

Have a wonderful and slightly mathematical summer!

The MSA Math Department

Bronwen Williams	Lauren Zachman	Caitlin Harper	Noah Langseth	Aaron Wojahn
651-353-2309	651-353-2305	651-578 7507 ext: 4010	651-353-2319	651-353-2311
bwilliams@mnmsa.org	lzachman@mnmsa.org	charper@mnmsa.org	nlangseth@mnmsa.org	awojahn@mnmsa.org

THINGS YOU SHOULD KNOW:

Conversions:

100 centimeters = 1 meter

12 inches = 1 foot

3 feet = 1 yard

8 ounces = 1 cup

2 cups = 1 pint

2 pints = 1 quart

4 quarts = 1 gallon

Formulas:

Area of squares and rectangles : $A = l \cdot w$

Volume of rectangular prisms : $V = l \cdot w \cdot h$

Order of Operations:

P : Parenthesis

E : Exponents

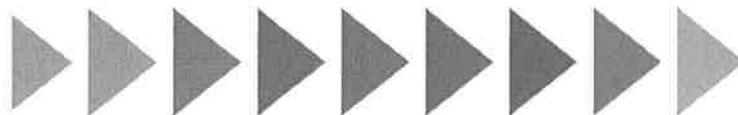**MD** : Multiplication OR Division (from left to right)

AS : Addition OR Subtraction (from left to right)

Fractions:

To find a common denominator, find the least common multiple of the denominators in the problem.

Decimals:

Line up decimals when adding and subtracting.
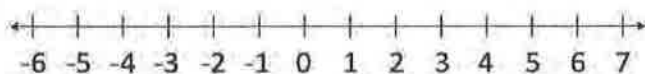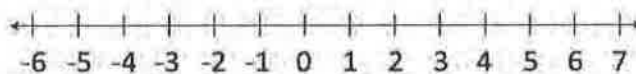Count decimal places when multiplying.

the NUMBER LINE

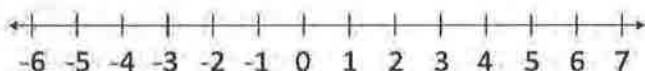Estimate the location of each number.

-2.4	5.5
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
-4	1¾
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
-½	-2
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
6¾	¾
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7
-3	3
-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	-6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7

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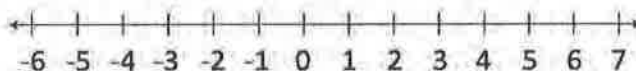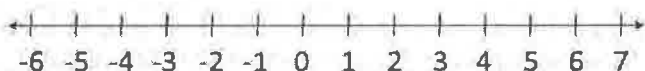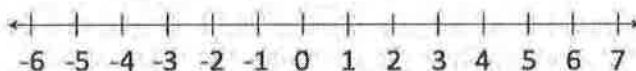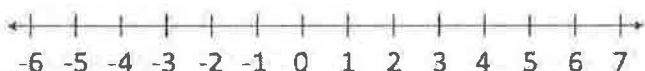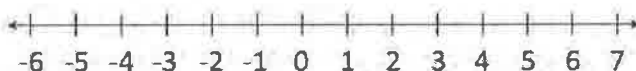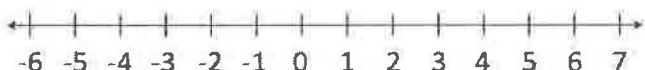
MULTI-DIGIT MULTIPLICATION

▶▶▶▶▶▶▶▶▶ Find each product. ◀◀◀◀◀◀◀◀◀
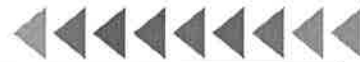
452 • 82	5,212 • 40	326 • 30
182 • 63	948 • 45	415 • 12
1,255 • 81	4,124 • 22	1,800 • 45

A box contains 32 candy bars. How many candy bars would be in a shipment of 563 boxes?	A stadium has 1,200 rows of seats. Each row has 82 seats. How many people can fit in the stadium?
164 books were sold in a book store today. If the same number were sold each day, how many books would be sold after 24 days?	

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►►►► MULTI-DIGIT DIVISION ◄◄◄◄

Find each quotient.

186 ÷ 62	525 ÷ 15	896 ÷ 14
288 ÷ 32	688 ÷ 86	156 ÷ 12
1,232 ÷ 14	540 ÷ 20	720 ÷ 48

A bag of candy contains 24 pieces. How many bags are needed for a school of 864 students if each student receives one piece?

A theater has rows of 32 seats. How many rows are needed if 960 people attend a performance at the theater?

Construction paper comes 16 sheets per pack. How many packs need to be purchase in order to get 224 pieces?

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3

PLACE VALUE

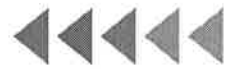|		
What is the difference in the value of the 2 in each number below? 832 and 299	What is the difference in the value of the 5 in each number below? 5,934 and 587	Explain the relationship between the 9 in the ones place and 9 in the thousands place in the number 9,999.
Explain the relationship between the 5 in the ones place and the 5 in the tens place in the number 55.	Explain the relationship between the 7 in the hundreds place and the 7 in the ones place in the number 707.	What is the value of the underlined digit? 46.96<u>5</u>
What is the value of the underlined digit? 1,425.<u>8</u>6	What is the value of the underlined digit? 3<u>2</u>,962.8	What is the difference in the value of the 6 in each number below? 465 and 2,697
What is the value of the underlined digit? 3,4<u>8</u>6.77	What is the value of the underlined digit? 899.3<u>5</u>4	Explain the relationship between the 4 in the tenths place and the 4 in the tens place in the number 42.4.
Explain the relationship between the 8 in the thousands place and the 8 in the tens place in the number 8,084.	What is the value of the underlined digit? <u>5</u>,924.87	What is the difference in the value of the 7 in each number below? 7,629 and 500.75

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4

COMPARE & ORDER DECIMALS

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Use <, >, or = to compare the two numbers. 4.5 _____ 4.420	Use <, >, or = to compare the two numbers. 0.67 _____ 0.8	Use <, >, or = to compare the two numbers. 0.125 _____ 0.2
Use <, >, or = to compare the two numbers. 0.82 _____ 0.820	Use <, >, or = to compare the two numbers. 62.4 _____ 6.24	Use <, >, or = to compare the two numbers. 5.23 _____ 5.3
Put the following the numbers in order from least to greatest. 0.3, 0.13, 0.32, 0.303	Put the following the numbers in order from least to greatest. 8.2, 0.82, 0.8, 0.08	Use <, >, or = to compare the two numbers. 9.62 _____ 9.504
Put the following the numbers in order from greatest to least. 24.4, 24.54, 24.304, 24.24	Put the following the numbers in order from greatest to least. 6.05, 6.007, 6.5, 6.25	Use <, >, or = to compare the two numbers. 1.324 _____ 1.42
Put the following the numbers in order from greatest to least. 0.2, 0.02, 0.22, 0.022	Put the following the numbers in order from greatest to least. 5.14, 5.4, 5.04, 5.1, 5.41	Put the following the numbers in order from least to greatest. 2.96, 2.9, 2.609, 2.906, 2.6

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5

▶▶▶▶▶ ADDING DECIMALS ◀◀◀◀◀

Find each sum.

13.2 + 6.84	19.12 + 0.45	9.326 + 1.42	20.6 + 320.86
12.89 + 4	5.032 + 9.6	15.5 + 3.04	16.32 + 19.404

You buy 2.67 pounds of apples and 4.9 pounds of oranges. How many pounds of fruit did you buy?	Emma grew 2.6 inches last summer and 1.89 during the school year. How much did she grow over the last year?
Gina has three rolls of ribbon. One roll has 12.6 inches, the second has 18.24 inches long and the last has 19.05 inches of ribbon. How much ribbon does she have?	Mark ran 5.23 miles yesterday, 6.4 miles today and will run 2.14 miles tomorrow. How far will he run over the three days?

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6

SUBTRACTING DECIMALS

▶▶▶▶▶▶▶▶▶▶ Find each difference. ◀◀◀◀◀◀◀◀◀◀

15.2 – 6.25	9.35 – 0.6	10.362 – 1.2	30.5 – 3.23
12.9 – 8.2	8 – 0.25	15.5 – 3	16.32 – 8.1

Your lunch bill is $13.14. A friend pays $6.99. How much is left to pay?	You cut a 2.675 foot section from an 8.9 foot piece of wood. How much is left?
Ryan bought 5.67 pounds of candy and ate 2.9 pounds. How much is left?	Travis has a $20 gift card. He spent $9.62 and then another $2.49. How much is left on the gift card?

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add & subtract decimals

Find each sum or difference.

13.2 + 6.84	19.12 + 0.45	10.362 − 1.2	30.5 − 3.23

12.89 + 4.9	5.032 + 9.6	15.5 − 3	16.32 − 8.1

You buy 2.67 pounds of apples and 4.9 pounds of oranges. How many pounds of fruit did you buy?	You cut a 2.675 foot section from an 8.9 foot piece of wood. How much is left?

Gina has three rolls of ribbon. One roll has 12.6 inches, the second has 18.24 inches long and the last has 19.05 inches of ribbon. How much ribbon does she have?	Travis has a $20 gift card. He spent $9.62 and then another $2.49. How much is left on the gift card?

►►► MULTIPLYING DECIMALS ◄◄◄

Find each product.

3.2 • 4.6	8.9 • 4.1	6.2 • 3.9	8.2 • 0.4
6.12 • 4.3	9.86 • 0.2	4.32 • 0.15	62.3 • 1.4
5.82 • 1.6	13.45 • 2.2	20.04 • 8.4	50.4 • 0.22

Veronica ran 2.5 times around a 4.62 mile course. How far did she run?	A car drove 5 times around a 3.67 mile track. How far did it travel?

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9

▶▶▶▶▶ DIVIDING DECIMALS ◀◀◀◀◀

Find each quotient.

$13.2 \div 6$	$9.4 \div 2$	$8.3 \div 5$	$29.2 \div 4$
$25.2 \div 5$	$6.4 \div 8$	$10.35 \div 9$	$30.4 \div 8$

A 32.34 inch piece of ribbon is cut into 6 pieces. How long is each piece?	A 14.24 pound bag of cheese is split among 5 pizzas. How much chees is on each pizza?
An 8.2 pound bag of candy is shared equally among 10 teachers. How much candy did each teacher get?	A 6.5 foot long piece of wood is cut into 5 sections. How long is each section?

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10

MULTIPLY & DIVIDE DECIMALS

Find each product or quotient.

3.2 • 4.6	8.9 • 4.1	28.3 ÷ 5.1	29.2 ÷ 4
6.12 • 4.3	9.86 • 0.2	10.35 ÷ 9	30.4 ÷ 2.8
5.82 • 1.6	13.45 • 2.2	A 14.24 pound bag of cheese is split among 5 pizzas. How much cheese is on each pizza?	
Veronica ran 2.5 times around a 4.62 mile course. How far did she run?		A 6.5 foot long piece of wood is cut into 5 sections. How long is each section?	

11

dECiMaL WORd PROblEMS

Read each problem carefully.

Emma is 7.8 years old. She is 1.2 times older than Gavin. How old is Gavin?	Eileen had $2.47 left on her lunch account. She spent $1.86 today. How much money is now left on her account?
Hank ran 1.6 miles on Monday, 2.08 miles on Tuesday and 3.65 miles on Wednesday. How many miles did he run over the three days?	Christina bought 4.2 pounds of bananas for $0.49 per pound. How much did she spend on bananas?
Four people split a $46.80 prize equally. How much does each person get?	Sam and Peter went fishing. Sam caught 12.67 pounds of fish and Sam caught 9.29 pounds of fish. They gave away 2.75 pounds. What is the weight of the fish they have left?
Mr. Johnson purchased 4 pieces of wood for $1.99 each and 6 pieces for $3.85 each. How much did he spend on wood?	Emilio makes $12.75 per hour. How much does he make for working 8.8 hours?

►►►►► ADDING FRACTIONS ◄◄◄◄◄

Find each sum.

$\frac{1}{2} + 6\frac{2}{3}$	$\frac{5}{8} + 2$	$\frac{9}{10} + 3\frac{1}{2}$	$4\frac{1}{5} + 6\frac{1}{2}$
$3\frac{1}{4} + 4\frac{1}{2}$	$9\frac{1}{3} + 4\frac{5}{6}$	$\frac{11}{12} + \frac{3}{4}$	$2\frac{1}{3} + 4\frac{1}{5}$

Jake ran $3\frac{1}{2}$ miles Saturday and $4\frac{5}{6}$ miles Sunday. How far did he run over the weekend?	Three sixth grade classes had a pizza party. They ate $4\frac{3}{4}$, $5\frac{1}{6}$ and $6\frac{3}{8}$ pizzas.

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13

SUBTRACTING FRACTIONS

Find each difference.

▶▶▶▶▶▶▶▶▶ ◀◀◀◀◀◀◀◀◀

$8\frac{1}{2} - 4\frac{1}{5}$	$6\frac{3}{4} - 2\frac{1}{8}$	$5\frac{3}{5} - 1\frac{1}{3}$	$10\frac{4}{5} - 3\frac{1}{2}$
$9\frac{7}{8} - \frac{2}{3}$	$15\frac{9}{10} - 4\frac{5}{8}$	$8\frac{2}{3} - 5\frac{1}{5}$	$4\frac{5}{6} - 1\frac{1}{8}$

You cut a $2\frac{1}{3}$ foot section from an $8\frac{1}{2}$ piece of wood. How much is left?	Wayne ran $3\frac{1}{2}$ miles out of a $9\frac{2}{3}$ mile race. How much further does he have left to run?

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14

add & subtract fractions

Find each sum or difference.

$\dfrac{1}{2}+6\dfrac{2}{3}$	$\dfrac{5}{8}+2$	$5\dfrac{3}{5}-1\dfrac{1}{3}$	$10\dfrac{4}{5}-3\dfrac{1}{2}$
$3\dfrac{1}{4}+4\dfrac{1}{2}$	$9\dfrac{1}{3}+4\dfrac{5}{6}$	$8\dfrac{2}{3}-5\dfrac{1}{5}$	$4\dfrac{5}{6}-1\dfrac{1}{8}$
Jake ran $3\dfrac{1}{2}$ miles Saturday and $4\dfrac{5}{6}$ miles Sunday. How far did he run over the weekend?		Wayne ran $3\dfrac{1}{2}$ miles out of a $9\dfrac{2}{3}$ mile race. How much further does he have left to run?	

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15

MULTIPLYING FRACTIONS

Find each product.

$\dfrac{2}{5} \cdot \dfrac{7}{10}$	$\dfrac{2}{3} \cdot 8$	$\dfrac{5}{6} \cdot \dfrac{1}{2}$	$10 \cdot \dfrac{4}{5}$
$3\dfrac{1}{2} \cdot 4$	$6\dfrac{1}{8} \cdot 2\dfrac{1}{2}$	$4\dfrac{2}{3} \cdot 6\dfrac{1}{4}$	$5\dfrac{1}{2} \cdot 5\dfrac{1}{2}$
$8\dfrac{1}{3} \cdot 2\dfrac{1}{4}$	$3\dfrac{3}{5} \cdot 6\dfrac{1}{5}$	$9\dfrac{1}{2} \cdot 1\dfrac{7}{10}$	$8 \cdot 2\dfrac{1}{2}$

You ran $4\dfrac{1}{2}$ times around a $2\dfrac{1}{4}$ mile track. How far did you run?	You car drove $5\dfrac{3}{5}$ times around a $2\dfrac{1}{8}$ mile track. How far did the car travel?

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16

MULTIPLYING FRACTIONS

$\dfrac{2}{5} \cdot \dfrac{7}{10}$	$\dfrac{2}{3} \cdot 8$	$\dfrac{7}{8} \div 2$	$\dfrac{9}{10} \div 4$
$3\dfrac{1}{2} \cdot 4$	$6\dfrac{1}{8} \cdot 2\dfrac{1}{2}$	$9\dfrac{1}{3} \div 3$	$5\dfrac{2}{5} \div 2$
$8\dfrac{1}{3} \cdot 2\dfrac{1}{4}$	$3\dfrac{3}{5} \cdot 6\dfrac{1}{5}$	A $12\dfrac{1}{5}$ inch long piece of ribbon is cut into 4 pieces. How long is each piece?	
You ran $4\dfrac{1}{2}$ times around a $2\dfrac{1}{4}$ mile track. How far did you run?		A $12\dfrac{2}{3}$ pound bag of chocolate is split equally among 20 boxes. How much chocolate is in each box?	

17

►►►► DIVIDING FRACTIONS ◄◄◄◄

Find each quotient.

$\dfrac{2}{5} \div 8$	$\dfrac{5}{6} \div 4$	$\dfrac{7}{8} \div 2$	$\dfrac{9}{10} \div 4$
$3\dfrac{1}{2} \div 5$	$6\dfrac{1}{5} \div 2$	$9\dfrac{1}{3} \div 3$	$5\dfrac{2}{5} \div 2$

You split $8\dfrac{1}{2}$ pounds of strawberries equally among 5 containers. How many pounds of strawberries are in each container?	A $12\dfrac{1}{5}$ inch long piece of ribbon is cut into 4 pieces. How long is each piece?
A $4\dfrac{9}{10}$ foot long piece of wood is cut into 6 sections. How long is each section?	A $12\dfrac{2}{3}$ pound bag of chocolate is split equally among 20 boxes. How much chocolate is in each box?

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18

diViDiNG fRaCtiONS

Find each quotient.

$\dfrac{2}{5} \div 8$	$\dfrac{5}{6} \div 4$	$\dfrac{7}{8} \div 2$	$\dfrac{9}{10} \div 4$
$3\dfrac{1}{2} \div 5$	$6\dfrac{1}{5} \div 2$	$9\dfrac{1}{3} \div 3$	$5\dfrac{2}{5} \div 2$
$5\dfrac{1}{2} \div \dfrac{3}{5}$	$\dfrac{7}{10} \div \dfrac{1}{3}$	$10\dfrac{1}{4} \div \dfrac{2}{5}$	$\dfrac{11}{12} \div \dfrac{1}{6}$

A $4\dfrac{9}{10}$ foot long piece of wood is cut into 6 sections. How long is each section?	You split $8\dfrac{1}{2}$ pounds of strawberries equally among 5 containers. How many pounds of strawberries are in each container?

19

fraction word problems

Read each problem carefully.

$\frac{4}{7}$ of a pizza was eaten. The next day, $\frac{1}{2}$ of what was left was eaten. How much is left of the original pizza?	Erin brought $8\frac{1}{2}$ pounds of ham to a party. Ryan brought an additional $2\frac{3}{5}$ pounds. How much ham was brought to the party?
Yvette ran $4\frac{7}{8}$ miles. Greg ran $1\frac{7}{10}$ miles. How much further did Yvette run?	A recipe calls for $5\frac{1}{3}$ cups of sugar. How much sugar will be needed if the recipe is quadrupled?
Betty is making $4\frac{1}{2}$ dozen cookies. She needs $1\frac{7}{8}$ cups of chocolate chips are for one dozen cookies. How many cups of chocolate chips does Betty need?	A fish tank holds $12\frac{3}{5}$ gallons of water. The fish tank is filled $\frac{7}{8}$ of the way. How much water is in the fish tank?
Liz drank $\frac{10}{12}$ of a gallon of water yesterday and $1\frac{1}{3}$ gallons today. How much water has Liz consumed over the last two days?	There are 40 students in an art club. $\frac{2}{5}$ of the students are females. How many students in the art club are females?

20

ORdER Of OPERaTiONS

Simplify each expression.

$260 - (2 \cdot 4)^2 - 9$	$2[3^2 + 2(5 - 1)]$	$10 + (6 \div 2)^3 - 4$	$6^2 + 2[5^2 + (2 \cdot 3)]$
$6(2 + 3) - 3^3$	$5^2 + 3[2(5 + 4)^4 - 2]$	$(2 \cdot 5)^2 - 10$	$8^2 - 2[4 - 2(2)]$
$2^4 + 14 \cdot 2 \div 4$	$9^2 \div 3^3 \cdot (8 - 5)^2$	$\dfrac{(5 + 3)^2}{6 - 2}$	$4^3 - 2(9)$
$2^3 + 2(3 \cdot 4)$	$40 \div 2^2 \cdot (4 - 2)^3$	$(16 - 4)^2 \cdot 4 + 3^2$	$10^2 - 2[2(3 \cdot 2)]$

21

SIMPLIFYING EXPRESSIONS

▶▶▶▶▶ Place grouping symbols in each equation to make it true. ◀◀◀◀◀

$20 - 13 - 8 = 15$	$2 \cdot 3 + 5 - 9 = 7$	$2 + 3 \cdot 6 - 4 = 10$	$36 \div 12 + 6 \cdot 4 = 8$
$4 \cdot 2 + 3 - 3 = 17$	$6 - 4 \div 2 + 3 \cdot 4 = 13$	$6 + 3 \cdot 4 - 1 = 27$	$20 \div 4 \cdot 2 + 3 = 25$
$20 \div 2 \cdot 2 + 6 = 11$	$8 + 3 \cdot 2 = 22$	$14 - 6 \div 3 + 2 = 10$	$4 \cdot 8 + 2 + 2 = 42$
$50 - 6 \cdot 2 + 3 = 20$	$18 - 12 \div 3 + 3 = 17$	$2 + 3 \cdot 10 - 5 = 25$	$15 - 2 \cdot 3 + 1 = 8$

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22

SIMPLIFYING EXPRESSIONS

Simplify each expression using the order of operations.

$60 - (2 \cdot 4) - 9$	$2[3 + 2(5 - 1)]$	$10 + (6 \div 2) - 4$	$6 + 2[5 + (2 \cdot 3)]$
$6(2 + 3) - 3(8 - 2)$	$15 + 3[2(5 + 4) - 2]$	$2(5) - 10$	$18 - 2[14 - 3(2)]$
$2 + 14 \cdot 2 \div 4$	$81 \div 27 \cdot (8 - 5)$	$\dfrac{15 + 30}{6 - 1}$	$24 - 2(9)$
$4 + 2(3 \cdot 4)$	$40 \div 4 \cdot (3 - 2)$	$(16 - 4) \cdot 4 + 3$	$120 - 5[2(3 \cdot 2) - 2]$

23

WRITING EXPRESSIONS

Write an expression to represent each verbal phrase.

Subtract 9 and 2, then multiply by 4.	Divide 8 by 2 and then add 1.	Triple 4 and then add 6.
Add 2 and 8 and then multiply by 2.	Double 6 and then divide by 3.	Add 4, 6 and 13.
Subtract 9 and 2 and add 5.	4 plus the product of 2 and 7.	The sum of 6 times 5 and 9 minus 2.
8 less than the quotient of 20 and 5.	The product of 4 and triple the number 2.	Multiply 5 and 7 and then divide by 5.
The difference of four times four and six.	4 more than the difference of 10 and 2.	20 divided by the product of 2 and 4.

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24

POWERS OF TEN

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What is the relationship between the exponent in $4.3 \cdot 10^3$ and 4,300?	What is the relationship between the exponent in $8.2 \div 10^2$ and 0.082?	What is the relationship between the exponent in $5 \cdot 10^6$ and 5,000,000?
Complete the pattern: $4.2 \cdot 10 = 4.2 \cdot 10^{\square} = $ _____ $4.2 \cdot 10 \cdot 10 = 4.2 \cdot 10^{\square} = $ _____ $4.2 \cdot 10 \cdot 10 \cdot 10 = 4.2 \cdot 10^{\square} = $ _____		Is the multiplication sentence below true? Explain. $5.3 \cdot 10^4 = 530{,}000$
If $6 \cdot 3 = 18$, then $600 \cdot 3 = ?$	$53.2 \cdot$ _____ $= 532{,}000$	If $400 \cdot 5 = 2{,}000$, then $400 \cdot 500 = ?$
Solve: $7.95 \cdot 10^3$	Solve: $6{,}000{,}000 \div 10^3$	Solve: $4.02 \cdot 10^2$
Solve: $7.95 \div 10^3$	Solve: $6{,}000{,}000 \cdot 10^3$	If $4 \cdot 2 = 2{,}000$, then $2{,}000 \cdot 40 = ?$

25

PERCENT OF A NUMBER

Solve each problem. Round to the nearest tenth.

What is 150% of 90?	What is 1% of 41?	What is 0.4% of 42?	87 is 15% of what number?
What is 35% of 700?	What is 36% of 745?	What is 350% of 80?	24 is 40% of what number?
What is 12% of 4?	65 is 50% of what number?	What is 85% of 10?	What is 98% of 88?
What is 6% of 33?	What is 68% of 98?	90 is 60% of what number?	What is 30% of 20?

26

gcf & lcm

Find the GCF and/or LCM.

Find the GCF. 44 & 14	Find the GCF and LCM. 5 & 8 GCF : _____ LCM : _____	Find the GCF. 20 & 15
Find the GCF and LCM. 4 & 6 GCF : _____ LCM : _____	Find the GCF. 30 & 40	Find the GCF and LCM. 16 & 6 GCF : _____ LCM : _____
Find the LCM. 4, 21, 24	Find the GCF and LCM. 12 & 4 GCF : _____ LCM : _____	Find the LCM. 3 & 5
Find the GCF and LCM. 30 & 6 GCF : _____ LCM : _____	Find the LCM. 4, 21, 24	Find the GCF and LCM. 6 & 12 GCF : _____ LCM : _____

27

MEASUREMENT CONVERSIONS

▶▶▶▶▶▶▶▶▶

How many quarts are in 9 gallons?	How many gallons are in 44 quarts?	How many cups are in 6 pints?
How many feet are in 3.5 yards?	How many centimeters are in 5 ½ meters?	How many quarts are in 2.5 gallons?
How many pints are in 4 quarts?	How many inches are in 2 ¾ yards?	How many centimeters are in 3 ½ meters?
How many meters are in 450 centimeters?	How many yards are in 38 inches?	How many gallons are in 10 quarts?
How many pints are in 4 gallons?	How many pints are in 40 ounces?	How many feet are in 2.4 yards?

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28

AREA OF QUADRILATERALS

Find the area of each shape.

▷▷▷▷▷▷▷▷▷   ◁◁◁◁◁◁◁◁◁

Inches:	Feet:
4 9	6.5

Centimeters:	Inches:
2.15 8	$4\frac{3}{4}$ $12\frac{1}{2}$

Meters:	Yards:
3.4 6.8	2.9 15

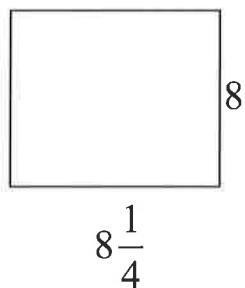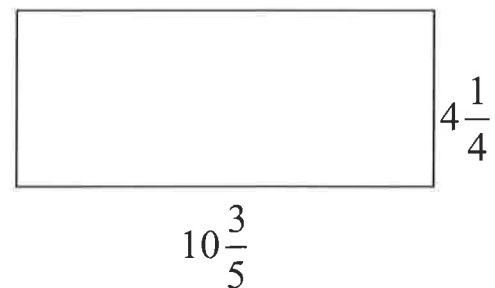| Inches:	Feet:
8 $8\frac{1}{4}$	$4\frac{1}{4}$ $10\frac{3}{5}$

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29
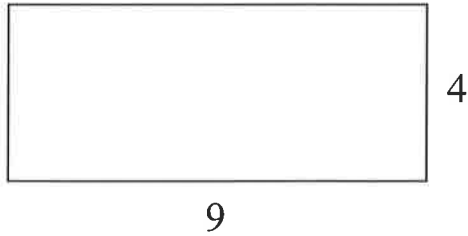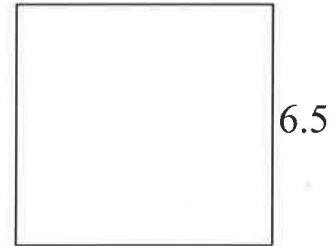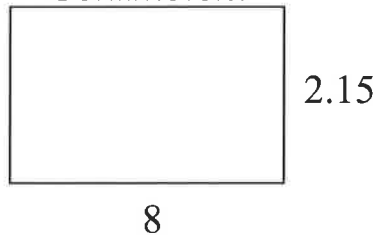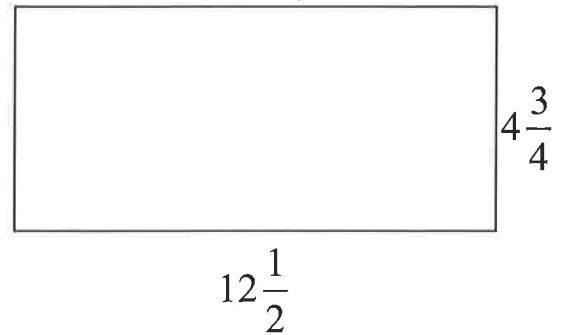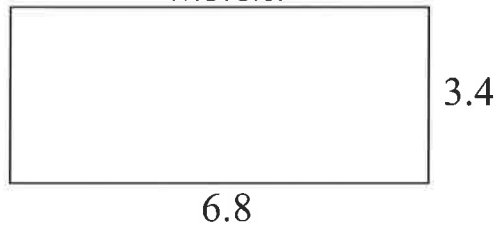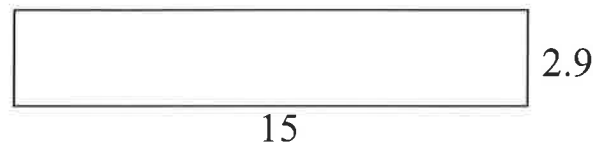
measures of central tendency

Show all work.

Ages of children in a camp : 5, 6, 8, 4, 6, 7, 8, 9, 12, 8, 10

Find the mean of the ages.	Find the median age.
Find the range of the ages.	Find the mode of the ages.

Height of seventh graders (inches) : 48, 60, 62, 55, 49, 52, 60, 58

Find the median height.	Find the range of the heights.
Find the mode of the heights.	Find the mean height.

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30