Dear Parents of 6th, 7th & 8th Graders,

Summer is a time to relax and have fun, but it is also an important time to review concepts your child struggles with. It's important to keep practicing skills so they don't regress in the fall. This is the summer packet for students to work on throughout the summer. I have created a BINGO board to help make it fun. If students complete the entire board AND turn it in to me at the start of the new school year, they will receive a reward. There are some worksheets attached that are part of the BINGO challenge. Please be sure to keep everything together.

If your child struggles with a specific concept, they need to put extra practice into those concepts (with your help). Mastering all their math facts is EXTREMELY important for middle school math.

It would be very beneficial for you to go over the following concepts with your child. These are concepts that they struggle with or are not covered due to time restraints.

6th Grade: Plane figure geometry, perimeter & area, volume, integers, statistics & probability,

7th Grade: Area & perimeter, geometry, probability, statistics, relations & functions

8th Grade: Relations & Functions, Systems of Linear Equations, Perimeter, Area & Volume, Statistics & Probability

I have also included a list of free websites you can use to enforce math concepts as well.

I have really enjoyed being a part of your child's life and learning this year! I am excited to be teaching some of them again next year. I hope everyone has a relaxing summer!!

Mrs. Jennifer Bull

6th, 7th & 8th grade Math

Websites for Math Practice:

https://www.funbrain.com/

http://www.mathblaster.com/

https://www.multiplication.com/

http://www.hoodamath.com/

https://www.coolmathgames.com/

https://www.mathgametime.com/

https://www.mathplayground.com/

https://afterschoolhelp.com/

https://www.prodigygame.com/main-en/

https://www.crazygames.com/t/math

https://www.mangahigh.com/en-us/

B	I	N	G	O
Find the PERIMETER of 2 rooms in your house	Play a MATH related game	Visit a Museum	Practice MATH on a given website	Follow a recipe to bake cookies: Use FRACTIONS to double the recipe
Conduct a survey (of family & friends) & GRAPH your results	Find the AREA of 2 rooms in your house	Complete 6A, 7A or 8A (according to grade level)	Write and solve 5 story problems using DECIMALS	Practice MENTAL MATH
Play a MATH related game	Practice MATH on a given website	★ FREE	Make a list of ways you use MATH in everyday tasks	MEASURE 10 household items
Complete 6B, 7B or 8B (according to grade level)	ESTIMATE how many steps it will take you to get to different places & then check!	Design a park using GEOMETRICAL SHAPES & MEASUREMENTS	Practice MATH on a given website	Complete 6C, 7C or 8C (according to grade level)
Make a list of all the GEOMETRICAL SHAPES you see in your house	Follow a recipe to bake a dessert: Use FRACTIONS to HALF the recipe	Take out 10 containers and calculate the VOLUME each holds	Play a MATH related game	Complete 6D, 7D or 8D (according to grade level)

Students must complete all squares (BLACKOUT) to receive PRIZE at beginning of new school year!

START
$(7 \div 1 \times 5) = 35$

$7 \times (2 - 1 + 5) = 42$

$(1 - 3) + 3 = 1$

35

5

35

9

42

1

$5 \times (9 - 3 + 9) = 75$

$(4 \times 6) \times 3 - 3 = 69$

$5 + (4 + 7 + 2) = 18$

5

8

75

9

69

18

$(4 - 5) + 5 = 4$

$1 \times (2 + 1 \times 1) = 3$

$(7 + 1) + (5 - 6) - 3 = 4$

2

4

4

3

2

-7

1

$(7 - 5) - (4 \div 1) + 3 = 1$

$(6 - 8) \times (7 \div 7) + 8 = 6$

$(8 + 2 - 9) = 1$

1

5
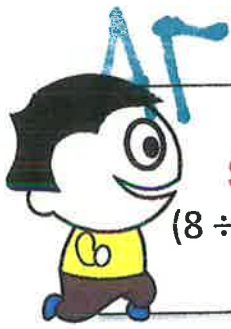
9

3

6

-1

JAIL
(you are trapped)

YOU WIN

5

$(9 + 4) - 8 = 5$

START
$(8 \div 2) + 7 = 11$

9

$(8 + 9 - 6 + 7) = 18$

5

$9 \times (5 - 5) + 5 = 5$

11

3

0

7

9

$(7 + 6) \div (9 \times 2 - 5) = 1$

1

$9 + (8 \times 5) - 5 =$

22

$7 - 9 - (6 + 6) - 8 = -22$

1

91

-9

44

8

$(5 - 3 - 1) = 1$

24

$(3 \times 8) \div 1 = 24$

15

$3 + (5 \times 4) - 8 = 15$

9

24

2

9

9

$(1 - 9 + 3 - 4 + 9) =$

9

$5 \times (1 \times 6) \div 3 = 10$

20

$(5 + 7) + 8 = 20$

3

0

10

21

3

JAIL
(you are trapped)

YOU WIN

7

$4 \div 2 \times (6 \div 6) + 5 = 7$

Name:_____ Date:_____ **7B**
Partner:_____

SOLVING EQUATIONS PARTNER ACTIVITY
negatives included

Decide who will be completing column A and who will be completing column B.
Complete each question then compare answers. Even though the problems are
different, you will get the same answer if you are correct!

COLUMN A	COLUMN B
Solve the equation: $$-3x = 9$$	Solve the equation: $$\frac{x}{3} = -1$$
Solve the equation: $$x + 16 = 22$$	Solve the equation: $$15x = 90$$
Solve the equation: $$x \div 23 = -12$$	Solve the equation: $$x \div 3 = -92$$
Solve the equation: $$x - 2.25 = -4.5$$	Solve the equation: $$5.5 + x = 3.25$$

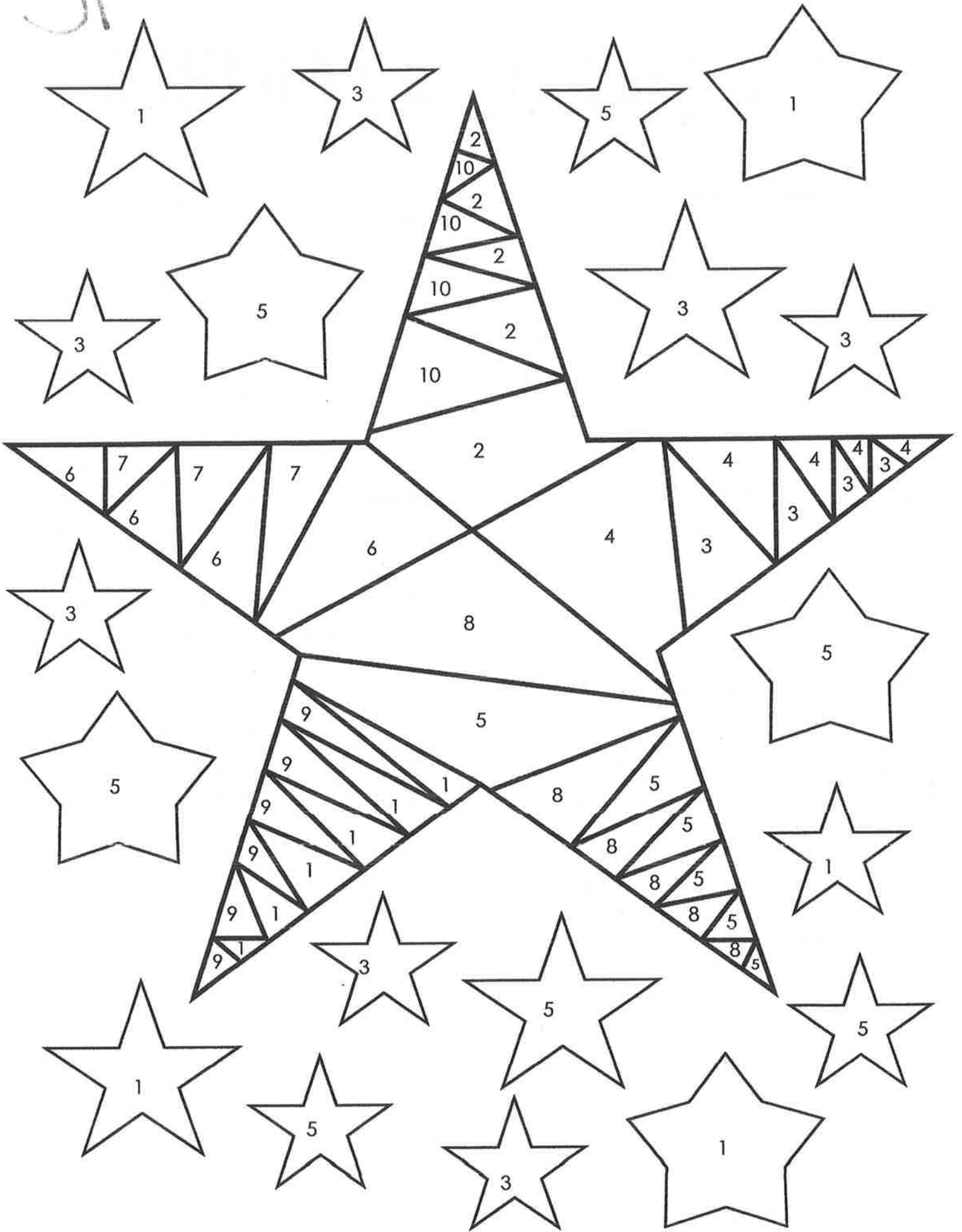| COLUMN A	COLUMN B
Solve the equation: $$-\frac{1}{4}x = \frac{1}{10}$$	Solve the equation: $$x + \frac{1}{3} = -\frac{1}{15}$$
Solve the equation: $$x - 3\frac{1}{2} = -1\frac{3}{4}$$	Solve the equation: $$\frac{2}{5}x = \frac{7}{10}$$
Solve the equation: $$-1.25x = 11.5$$	Solve the equation: $$-5.6x = 51.52$$
Solve the equation: $$3x + 2 = -13$$	Solve the equation: $$5x + 5 = -20$$
Solve the equation: $$\frac{x}{4} - 1 = -6$$	Solve the equation: $$\frac{x}{5} + 2 = -2$$

PERCENT OF A NUMBER

Directions: Solve each problem. Find your answer in one of the three answer boxes. Find the problem number on the coloring page and color each section with the number the color that corresponds to your answer.

#		Answer 1	Answer 2	Answer 3
1	What is 10% of 47?	470 GREEN	4.7 BLUE	37 YELLOW
2	What is 20% of 82?	16.4 BLACK	62 ORANGE	164 BLUE
3	What is 150% of 50?	7.5 ORANGE	100 RED	75 YELLOW
4	What is 50% of 30?	15 ORANGE	80 YELLOW	60 RED
5	What is 10% of 9?	90 PINK	19 PURPLE	0.9 RED
6	A $400 TV is on sale for 25% off. What is the sale price of the TV?	$100 GREEN	$300 BLUE	$375 YELLOW
7	A $65 purse is on sale for 10% off. How much money will you save if you buy it?	$55.00 BLACK	$10.00 RED	$6.50 GREEN
8	The cost of a movie ticket increased by 15%. The old price was $8. How much are they now?	$23.00 BLUE	$9.20 GRAY	$9.50 PINK
9	A $75 jacket is 50% off. How much does the jacket cost now?	$37.50 PURPLE	$40.00 GREEN	$25.00 RED
10	You leave a 20% tip on your $70 dinner bill. How much was the tip?	$5.00 ORANGE	$14.00 PINK	$90.00 YELLOW

www.beyondtheworksheet.com

Name:_____

fraction operations spinner practice
negatives included

Directions:
1. Use a paperclip and pencil to make a spinner.
2. Spin one number from Spinner A and one number from Spinner B.
3. Fill the numbers into the chart.
4. Evaluate the expression and simplify your answer.

Spinner A

Spinner B

Spinner A		Spinner B	=	Answer	Spinner A		Spinner B	=	Answer
___	+	___	=	___	___	+	___	=	___
___	−	___	=	___	___	−	___	=	___
___	×	___	=	___	___	×	___	=	___
___	÷	___	=	___	___	÷	___	=	___