

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		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

$(9 \times 3) \times 5 = 135$

135

$7 \times (4 + 3) - 3 - 2 = 44$

44

$(4 \times 8) + 2 = 34$

153

44

3

$(5 + 7 - 8) = 4$

2

$3 + (8 - 1 \times 9) = 2$

4

$(3 + 4 \div 4) = 4$

4

5

3

4

$(8 \div 2) \times 9 = 36$

36

$(3 + 9 \times 8) =$

75

$(1 \times 9 + 7) =$

36

33

9

16

$(6 \times 8) \div 3 \times 2 = 32$

32

$(9 \times 1) - (8 - 4) + 2 = 7$

6

$(8 \times 3 \div 4) = 6$

7

9

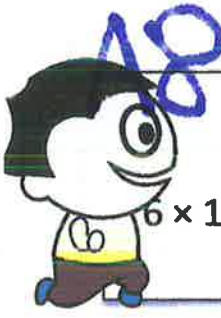
0

JAIL
(you are trapped)

YOU WIN

45

$(5 \times 9) \div 1 = 45$



START

$6 \times 1 - (2 + 8 - 5) =$

1

$(9 - 8 - 1) =$

0

$(2 + 2 \times 4 \times 2) = 18$



2

4

18

$(5 \times 6 + 3) = 33$

7

$(3 - 4) + 7 = 6$

5

$(6 - 6 - 9 + 4 \times 3) = 3$

6

6

7

3

$4 + (5 + 5) \div 5 = 6$

13

$4 + 7 + (7 + 5) \div 6 = 13$

6

$(9 - 1 - 5 - 2) =$

2

13

40

$(6 - 7 + 5 \times 3) =$

4

$(3 + 1 \times 7 \times 5 - 7) = 31$

31

$(8 \times 4) + 8 = 40$

14

31

4

JAIL
(you are trapped)

YOU WIN

25

$(9 + 4 \times 4) = 25$

Name: _____

Date: _____

JB

RATIOS WORD PROBLEMS COLOR AND SOLVE

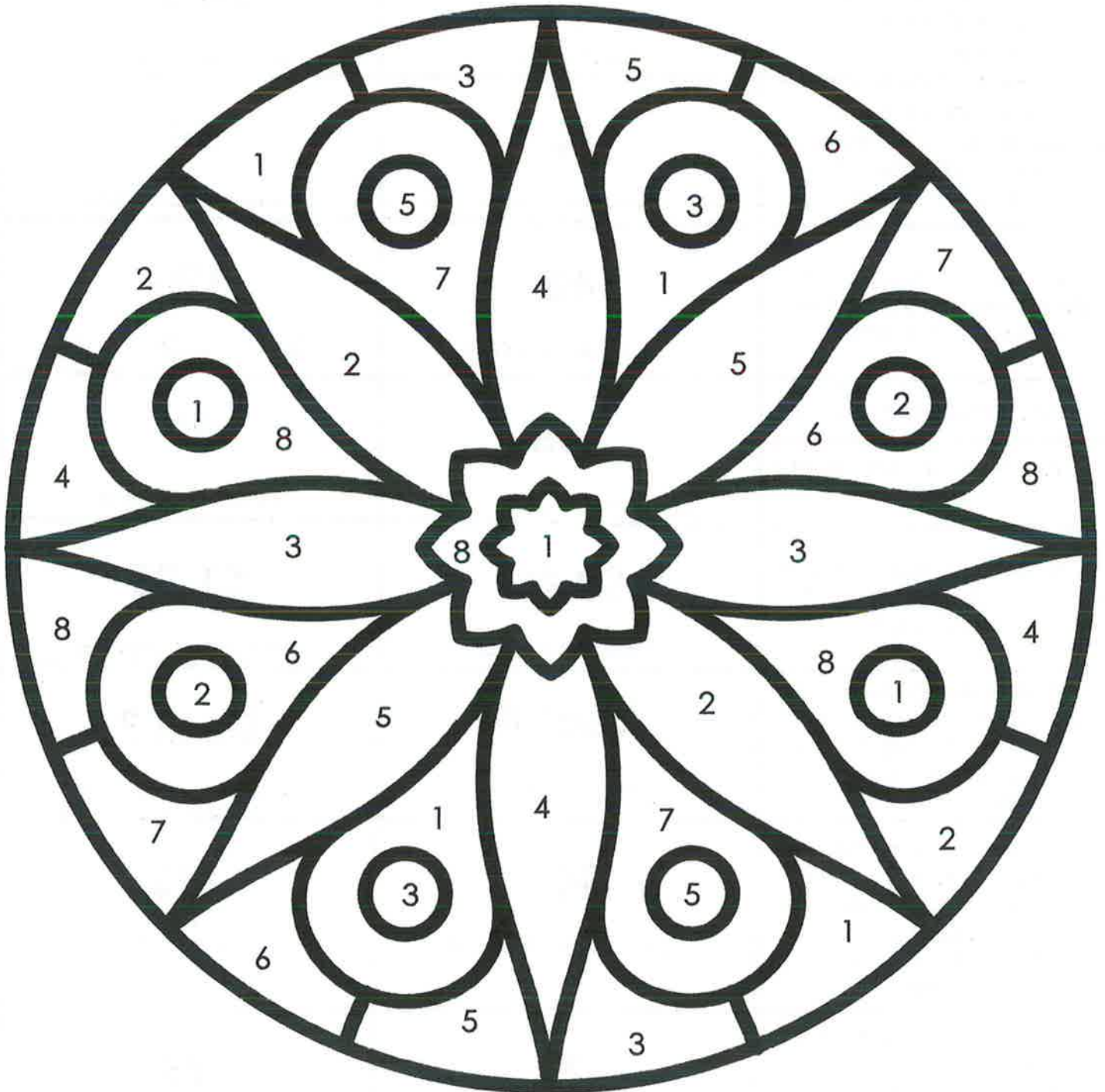
Instructions:

Find the answer to each problem, then color the picture the indicated color.

There are 12 girls and 14 boys in the class. What is the ratio of girls to boys? Select the equivalent ratio.	7:6 Color the 1's PINK	24:28 Color the 1's GREEN
The ratio of daisies to roses in the garden is 2:5. If there are 70 flowers in all, how many daisies are there?	50 Color the 2's RED	20 Color the 2's YELLOW
If Robbie scored 15 points in 3 games, how many points will he score in 8 games?	40 Color the 3's PURPLE	120 Color the 3's DARK BLUE
The ratio of pens to pencils in the classroom is 3:9. If there are 36 pens, how many pencils are there?	108 Color the 4's LIGHT BLUE	27 Color the 4's PINK
The Student Council is selling a dozen donuts for \$15. What is the unit cost?	\$0.80 Color the 5's RED	\$1.25 Color the 5's ORANGE
Coffee Corner has two sales. Deal A is \$51 for 6 pounds of coffee. Deal B is \$42.75 for 5 pounds of coffee. Which is the better deal?	Deal A Color the 6's PINK	Deal B Color the 6's GREEN
Cameron is making trail mix. The ratio of peanuts to raisins to walnuts is 3:2:1. If there are 224 raisins, how many total peanuts and walnuts are there?	448 Color the 7's DARK BLUE	112 Color the 7's BLACK
The ratio of red to yellow in the orange paint is 3:4. If you use 49 total drops of paint, how many drops of yellow are used?	21 Color the 8's DARK BLUE	28 Color the 8's RED

RATIOS WORD PROBLEMS

Color and Solve



Name: _____

Date: _____

EXPONENTS

1. A _____ is a product of repeated factors.
2. The _____ of a power is the factor to be repeated (the number that you multiply).
3. The _____ of a power indicates the number of times that the base is used as a factor.
4. Label the base, exponent and power. Then, evaluate the expression.

$$5^4 = 5 \times 5 \times 5 \times 5$$

5. When the base is _____ use parentheses.
6. Fill in the chart below:

Power	Expanded Form	Evaluate
2^4		
8^2		
	$(1)(1)(1)(1)$	
	$(2.3)(2.3)(2.3)$	
	$\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$	

28

Name: _____

Date: _____

PRACTICE: EXPONENTS

#1 Write the product using exponents. Then evaluate the expression.

$$(4)(4)(4)(4)$$

#2 Write the power in expanded form and evaluate the expression:

$$5^3$$

#3 Write the product using exponents. Then evaluate the expression.

$$(2)(2)(2)(2)(2)$$

#4 Write the power in expanded form and evaluate the expression:

$$9^3$$

#5 Write the power in expanded form and evaluate the expression:

$$10^6$$

#6 Write the power in expanded form and evaluate the expression:

$$(0.1)^3$$

#7 Evaluate the expression:

$$\left(\frac{2}{3}\right)^3$$

#8 Evaluate the expression:

$$\left(\frac{1}{2}\right)^4$$

#9 Write the product using exponents.

$$h \cdot h \cdot h \cdot h$$

#10 Write the product using exponents.

$$4 \cdot 4 \cdot g \cdot g \cdot g \cdot g \cdot g$$

Name: _____

Date: _____

Combining Like Terms Maze (Negatives Included)

Simplify each expression

