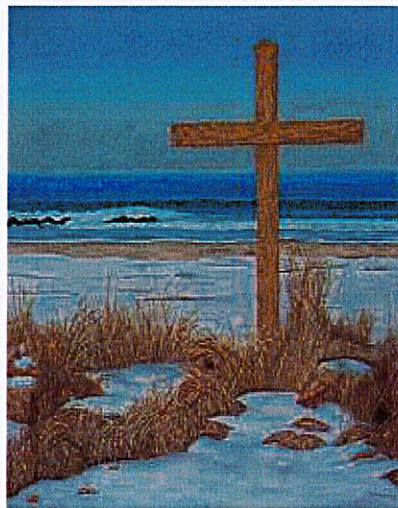




HOLY CROSS ACADEMY
RUMSON, NJ

Incoming 7th Grade

Holy Cross Academy *2026 Summer Assignments*



Dear Students:

Get ready to shine brighter than the sun! As we end another terrific school year and look forward to the sunny days of summer, our learning journey continues with the attached summer reading and math packets. Our summer assignments aren't just tasks; they are your passport to a summer filled with growth and enrichment. So, let's dive in together, embrace the warmth of learning, and make this summer one to remember! Please complete and bring the assignments with you on the first day of school in September.

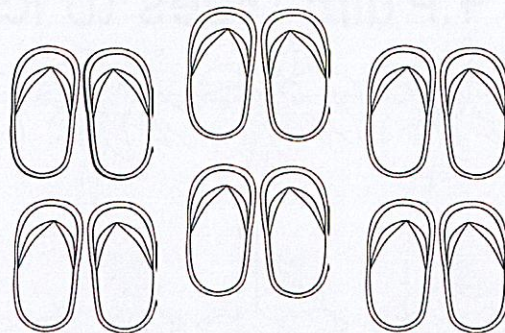
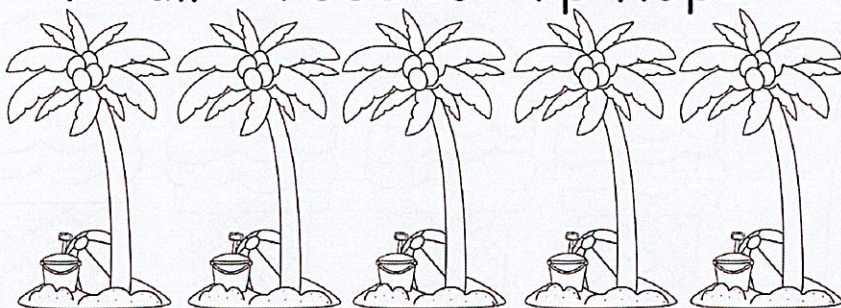
Enjoy the many blessings of summer!

#1

Ratios

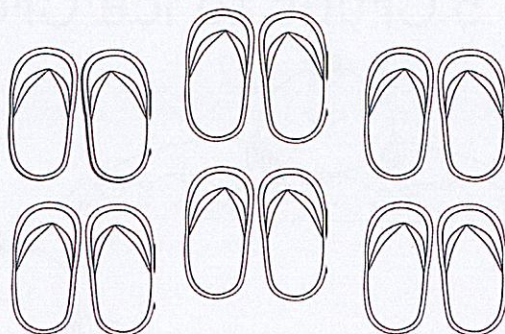
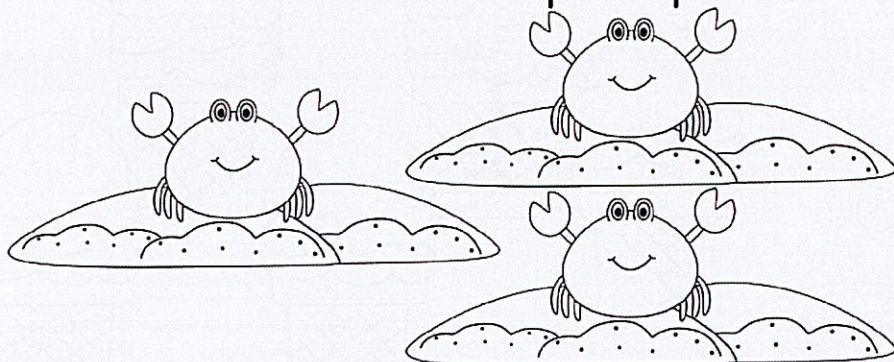
Directions: Add up each item to find the ratio. Write the ratios three different ways.

1. Palm trees to Flip flops



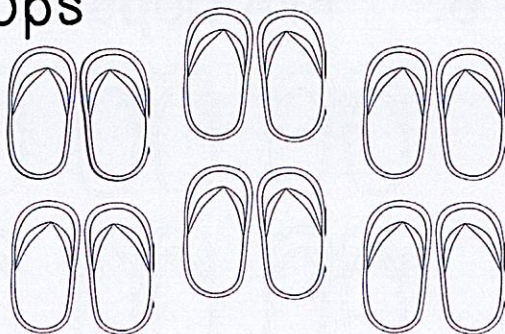
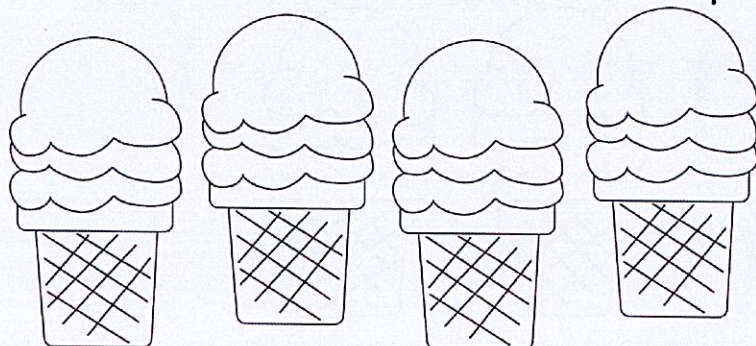
____ / ____ , ____ : ____ , ____ to ____

2. Crabs to Flip flops



____ / ____ , ____ : ____ , ____ to ____

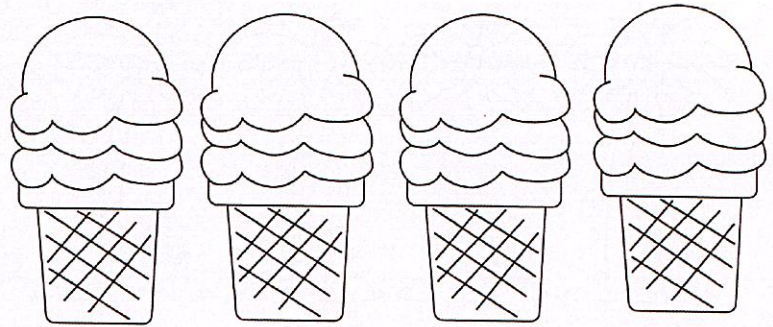
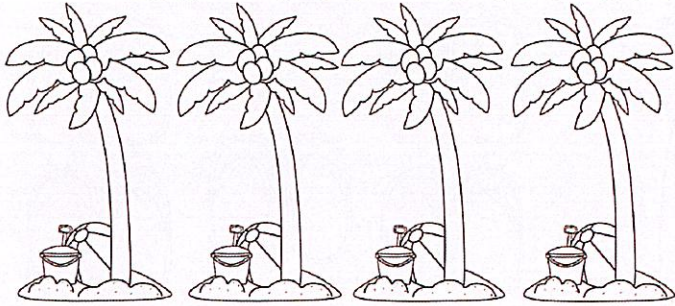
3. Ice Cream Cones to Flip flops



____ / ____ , ____ : ____ , ____ to ____

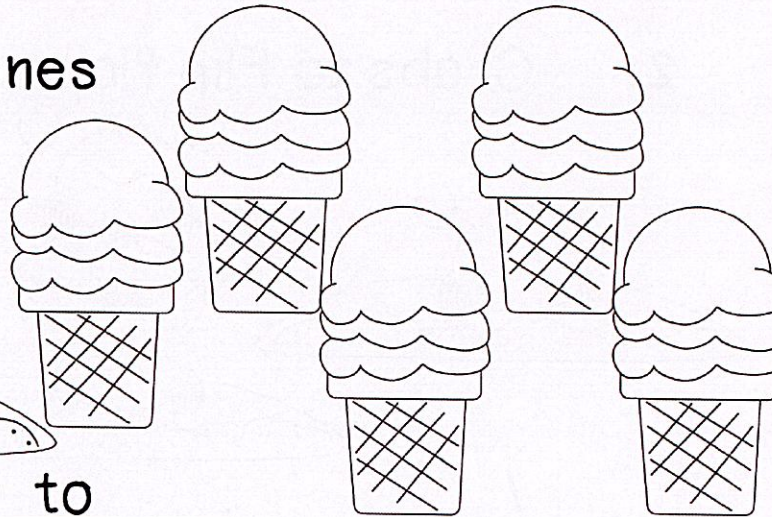
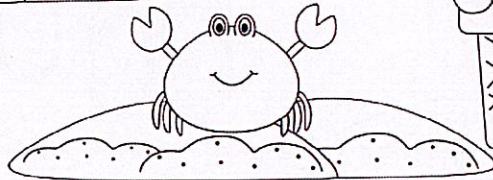
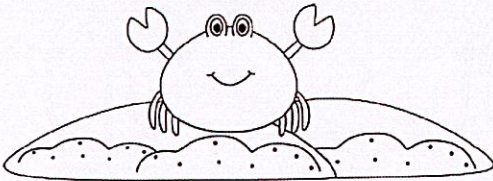
Directions: Add up each item to find the ratio. Write the ratios three different ways.

4. Palm trees to Ice Cream Cones



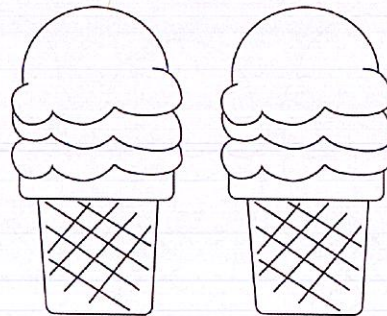
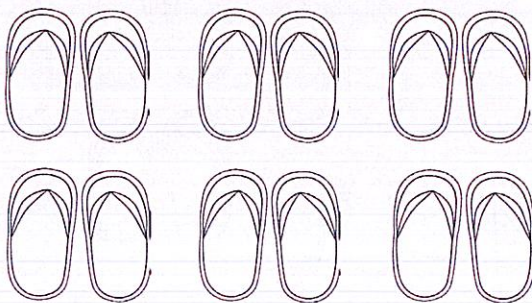
____ / ____ , ____ : ____ , ____ to ____

5. Crabs to Ice Cream Cones



____ / ____ , ____ : ____ , ____ to ____

6. Flip flops to Ice Cream Cones



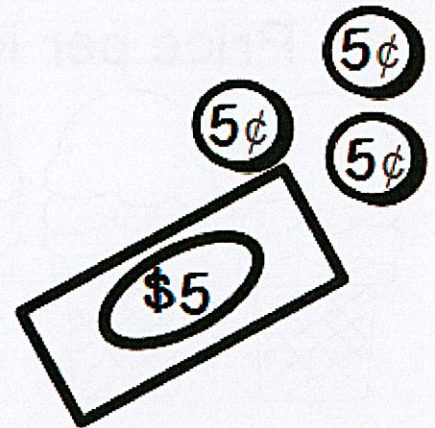
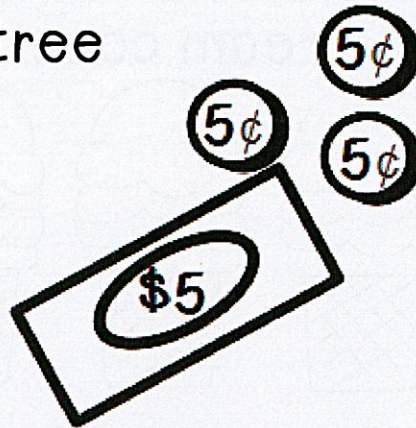
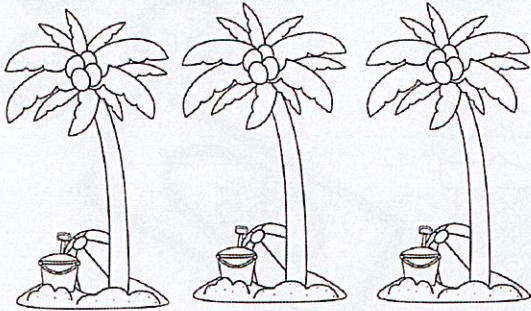
____ / ____ , ____ : ____ , ____ to ____

#3

Unit Rates

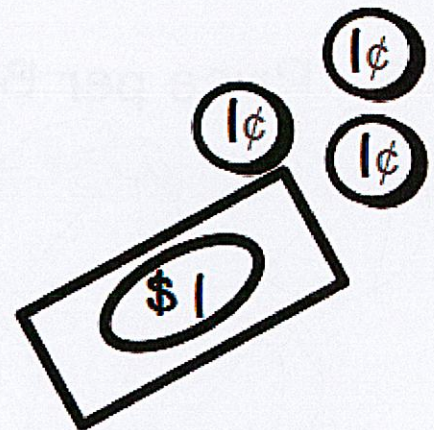
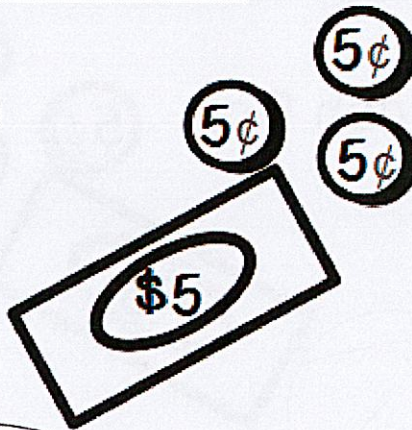
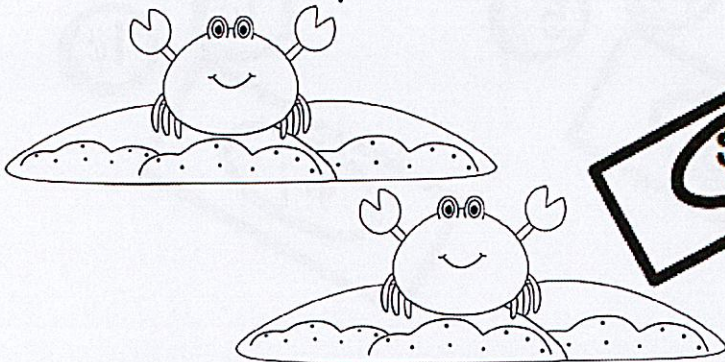
Directions: Calculate how much each one item cost (unit rate) based on the number of items and money spent.

1. Price per Palm tree



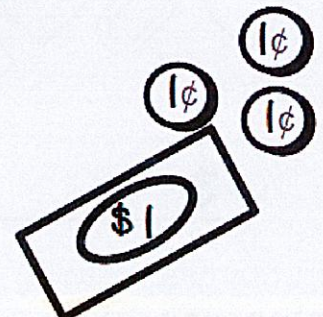
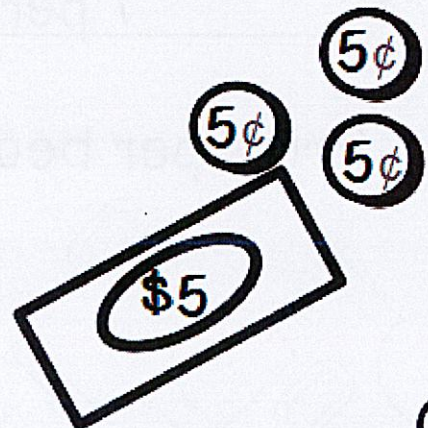
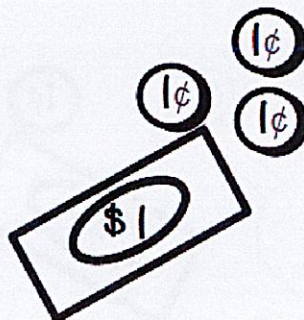
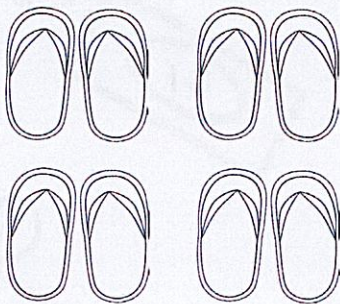
\$ _____ / per palm tree

2. Price per Crab



\$ _____ / per crab

3. Price per pair of flip flops



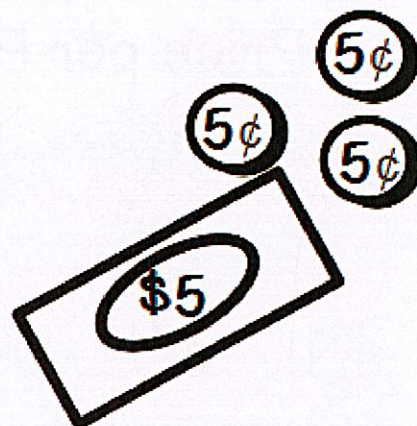
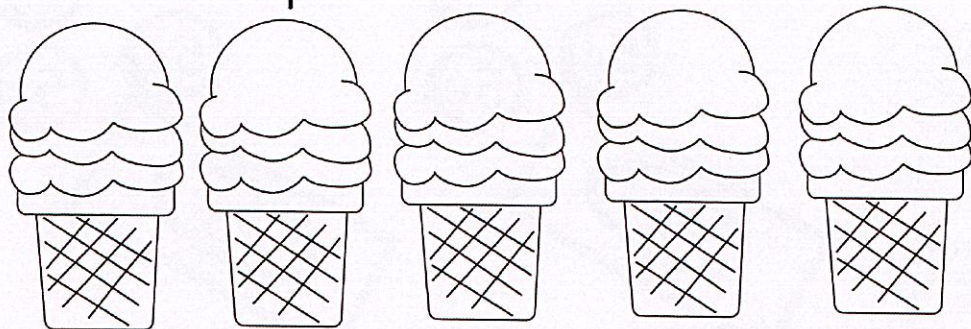
\$ _____ / per flip flop pair

#4

Unit Rates

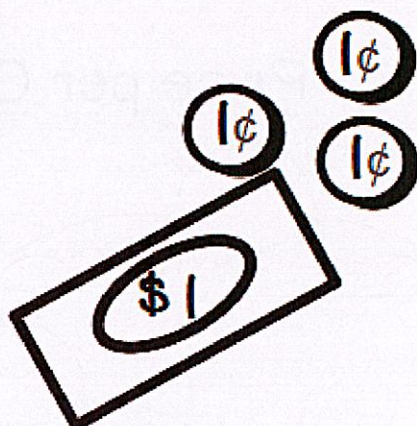
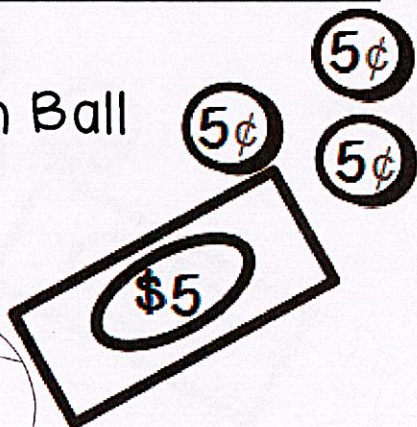
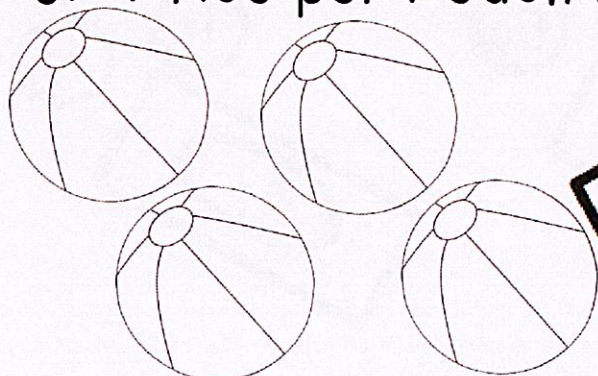
Directions: Calculate how much each one item cost (unit rate) based on the number of items and money spent.

4. Price per ice cream cone



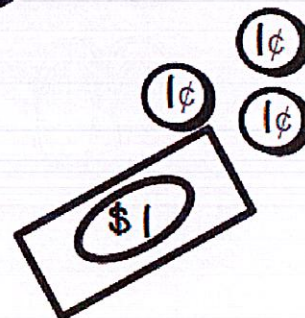
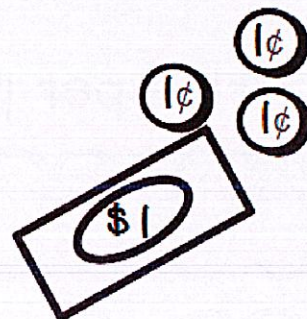
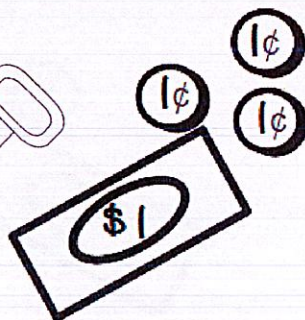
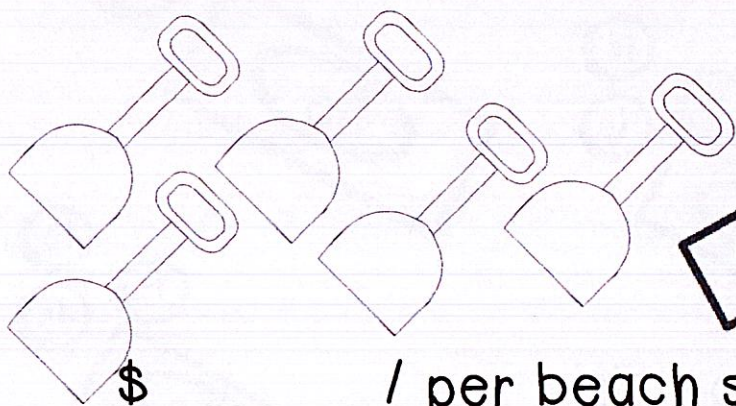
\$ _____ / per ice cream cone

5. Price per Beach Ball



\$ _____ / per beach ball

6. Price per beach shovel



\$ _____ / per beach shovel

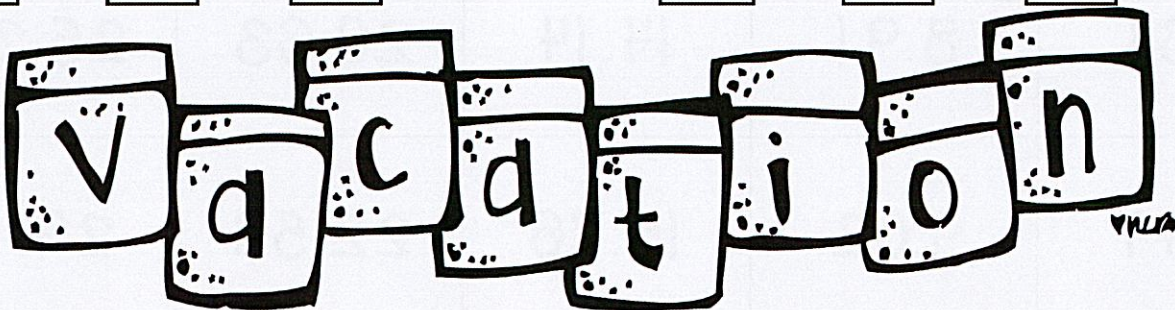
#5

Fraction Squares

Directions: Each row, column and diagonal multiply or divide up to the values shown. Fill in the rest of the grid of numbers.

$\frac{2}{3}$	x	$\frac{2}{3}$	x	$\frac{2}{3}$	=	
÷		÷		÷		
$\frac{1}{3}$	x	1	x	$\frac{1}{3}$	=	
÷		÷		÷		
1	x	$\frac{1}{3}$	x	1	=	
=		=		=		

$\frac{1}{4}$	x	$\frac{1}{4}$	x	$\frac{1}{4}$	=	
÷		÷		÷		
$\frac{2}{4}$	x	1	x	$\frac{2}{4}$	=	
÷		÷		÷		
1	x	$\frac{2}{4}$	x	1	=	
=		=		=		



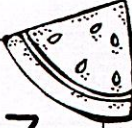
$\frac{2}{5}$	x	$\frac{3}{5}$	x	$\frac{1}{2}$	=	
÷		÷		÷		
$\frac{1}{5}$	x	1	x	$\frac{1}{5}$	=	
÷		÷		÷		
1	x	$\frac{1}{2}$	x	1	=	
=		=		=		

$\frac{1}{6}$	x	$\frac{3}{6}$	x	$\frac{2}{3}$	=	
÷		÷		÷		
$\frac{2}{6}$	x	1	x	$\frac{2}{3}$	=	
÷		÷		÷		
1	x	$\frac{2}{6}$	x	1	=	
=		=		=		

#10

Decimal BINGO!

Directions: To play Decimal Bingo, solve the problems & mark off the answers in the grid. When you get five in a row, you win!

 0.15	2.54	9.12	16.27 	22.29
0.5	3.1	11.11	17.84 	23.23
0.66	5.79	FREE SPACE	19.12	24.11
 1.81	8.91	14.14	20.63	25.27 
1.99	9.02	15.76	22.59	29.11

1. $2.77 + 0.33 =$ _____

6. $0.3 - 0.15 =$ _____

2. $0.11 + 8.8 =$ _____

7. $29.09 - 6.5 =$ _____

3. $0.33 + 1.66 =$ _____

8. $30.88 - 6.77 =$ _____

4. $0.3 + 0.2 =$ _____

9. $24.2 - 6.36 =$ _____

5. $7.07 + 4.04 =$ _____

10. $23.45 - 1.16 =$ _____

Decimal Magic Squares

Directions: A magic square is a grid of numbers where the values in each of the rows, columns, and diagonals adds up to the same sum, known as the "magic number". Use your math skills to fill in each of these magic squares.

The magic number is 10.2

		0.6	
1.5			
	1.8	2.1	3.6
1.2	4.5		0.3



The magic number is 6.8

	1.8	1.0	
3.0	1.2		0.6
2.8			
0.2		1.6	

The magic number is 20.4

7.8		7.2	0.6
1.2	6.6		
9.6	3.0	5.4	



The magic number is 3.4

			1.6
1.5	0.6		
1.4	0.7		
0.1	1.2		1.3

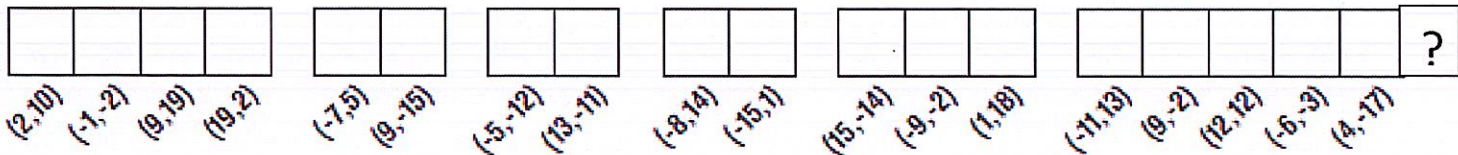
The magic number is 13.6

5.2		4.8	
0.8	4.4		5.6
	4.0		
	2.0	3.6	

The magic number is 13.6

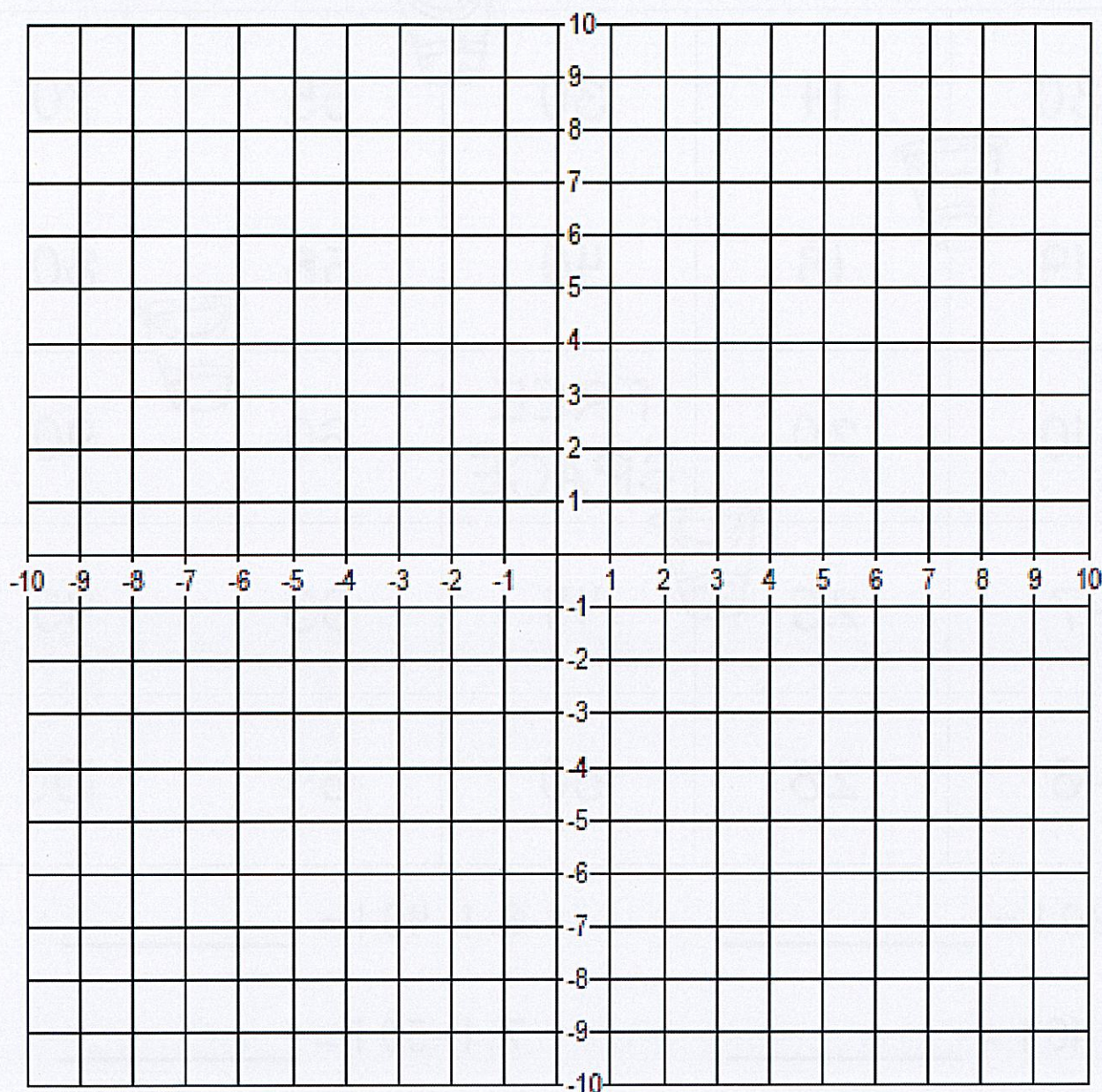
	1.2	0.8	5.2
			3.2
		2.8	4.8
1.6	6.0		

Directions: Fill in the boxes with the letters of the points identified by each pair of coordinates. When you have them all filled in, they will reveal a secret message!



Graphing Points

Directions: There is a picture hidden in this grid. Connect the points with lines to reveal it.



Line 1: $(-6, -6)$, $(-8, -5)$, $(-10, -5)$, $(-10, -4)$

Line 2: $(-4, 6)$, $(1, 6)$, $(4, 5)$, $(6, 3)$, $(7, 1)$, $(8, -2)$, $(9, -2)$

Line 3: $(-8, -8)$, $(-8, -9)$, $(10, -3)$, $(10, -2)$

Line 4: $(-2, -6)$, $(-3, -5)$, $(-3, -4)$, $(-2, -3)$, $(0, -3)$, $(1, -4)$, $(1, -5)$

Line 5: $(-6, -6)$, $(-6, -5)$, $(-8, -4)$, $(-10, -4)$, $(-4, 6)$, $(-4, 7)$, $(-3, 8)$, $(2, 8)$, $(6, 6)$, $(8, 4)$, $(9, 2)$, $(10, 0)$, $(10, -2)$, $(-8, -8)$, $(-6, -6)$

Line 6: $(0, 5)$, $(-2, 5)$, $(-3, 4)$, $(-3, 3)$, $(-2, 2)$, $(0, 2)$, $(1, 3)$, $(1, 4)$, $(0, 5)$

Line 7: $(4, 1)$, $(2, 1)$, $(1, 0)$, $(1, -1)$, $(2, -2)$, $(4, -2)$, $(5, -1)$, $(5, 0)$, $(4, 1)$

Line 8: $(-3, 1)$, $(-5, 1)$, $(-6, 0)$, $(-6, -1)$, $(-5, -2)$, $(-3, -2)$, $(-2, -1)$, $(-2, 0)$, $(-3, 1)$

Rational Numbers BINGO!

Directions: To play Rational Numbers Bingo!, find the absolute value & mark off in the grid. When you get five in a row, you win!

-30	14	30	55	70
-19	18	40	58	80
-10	20	FREE SPACE	60	90
-7	25	44	63	95
-6	28	50	69	100

1. $|-20| =$ _____

6. $|-40| =$ _____

2. $-|10| =$ _____

7. $|-50| =$ _____

3. $-|30| =$ _____

8. $|60| =$ _____

4. $|-30| =$ _____

9. $|-70| =$ _____

5. $|-100| =$ _____

10. $|-90| =$ _____

Writing Expressions

Directions: Circle the expression that is described.

1. Five times the sum of a number and one

$5(n + 1)$ OR $5n + 1$

2. The quotient of
- n
- and 3

$n + 3$ OR $n \div 3$

3. Twice a number minus three

$2n + 3$ OR $2n - 3$

4. Triple a number

$3x$ OR $x \div 3$

5. The sum of three and
- y

$3 + y$ OR $y - 3$

6. The difference of three and
- y

$y - 3$ OR $3 - y$

7. Ten multiplied by a number added to one

$10n + 1$ OR $10n + 1n$

8. A number plus a number

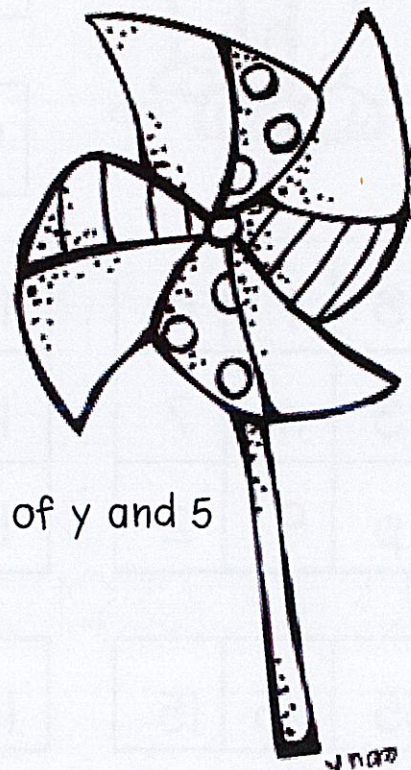
$2n + 2n$ OR $n + n$

9. The quotient of ten and
- x

$x \div 10$ OR $10 \div x$

10. A number multiplied by the difference of
- y
- and 5

$n \times y + 5$ OR $n(y - 5)$



#20

Equation Squares

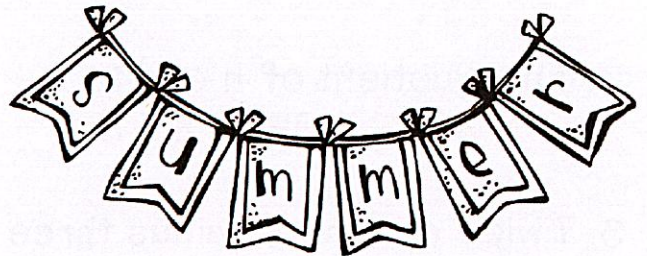
Directions: Each row, column and diagonal add up to the values shown. Find the missing variables of the grid.

12	14	x	→	30
2	y	18	→	30
z	6	8	→	30
↓	↓	↓	↘	
30	30	30		30

$x =$

$y =$

$z =$



6	27	a	→	45
21	b	9	→	45
c	3	24	→	45
↓	↓	↓	↘	
45	45	45		45

$a =$

$b =$

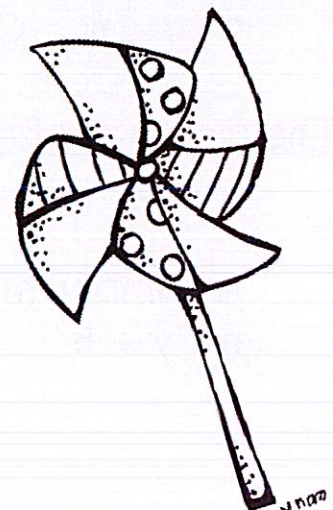
$c =$

8	l	m	→	15
3	n	7	→	15
p	q	2	→	15
↓	↓	↓	↘	
15	15	15		15

$m =$

$n =$

$p =$



Solving Inequalities

Directions: Circle the answer that solves the inequality.

1. $5 + x < 1$

$x < -4$ OR $x > 200$

2. $6 - 10 > x$

$x > 4$ OR $-4 > x$

3. $x < 10 + 5$

$x > 15$ OR $x < 15$

4. $x + 9 > 10$

$x > 1$ OR $x < 1$

5. $x - 5 < 16$

$x < 21$ OR $x > 21$

6. $20 + 10 < x$

$30 > x$ OR $30 < x$

7. $x - 8 < 24$

$x < 32$ OR $x > 32$

8. $x + 11 > 40$

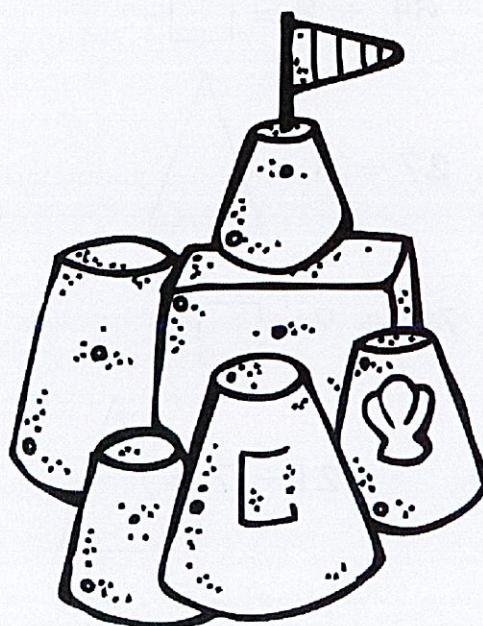
$x > 29$ OR $x < 29$

9. $18 - 7 > x$

$x > 11$ OR $11 > x$

10. $28 + 72 < x$

$100 > x$ OR $100 < x$



Relationships with Variables

Directions: Solve each equation to find each variable.

1. $\square \times 5 = 40$

2. $5 \times \triangle = 15$

3. $\square \times 6 = 48$

4. $8 \times \triangle = 24$

5. $\square \times 2 = 16$

6. $2 \times \triangle = 6$

7. $64 \div 8 = \square$

8. $27 \div 9 = \triangle$

9. $72 \div 9 = \square$

10. $21 \div 7 = \triangle$

