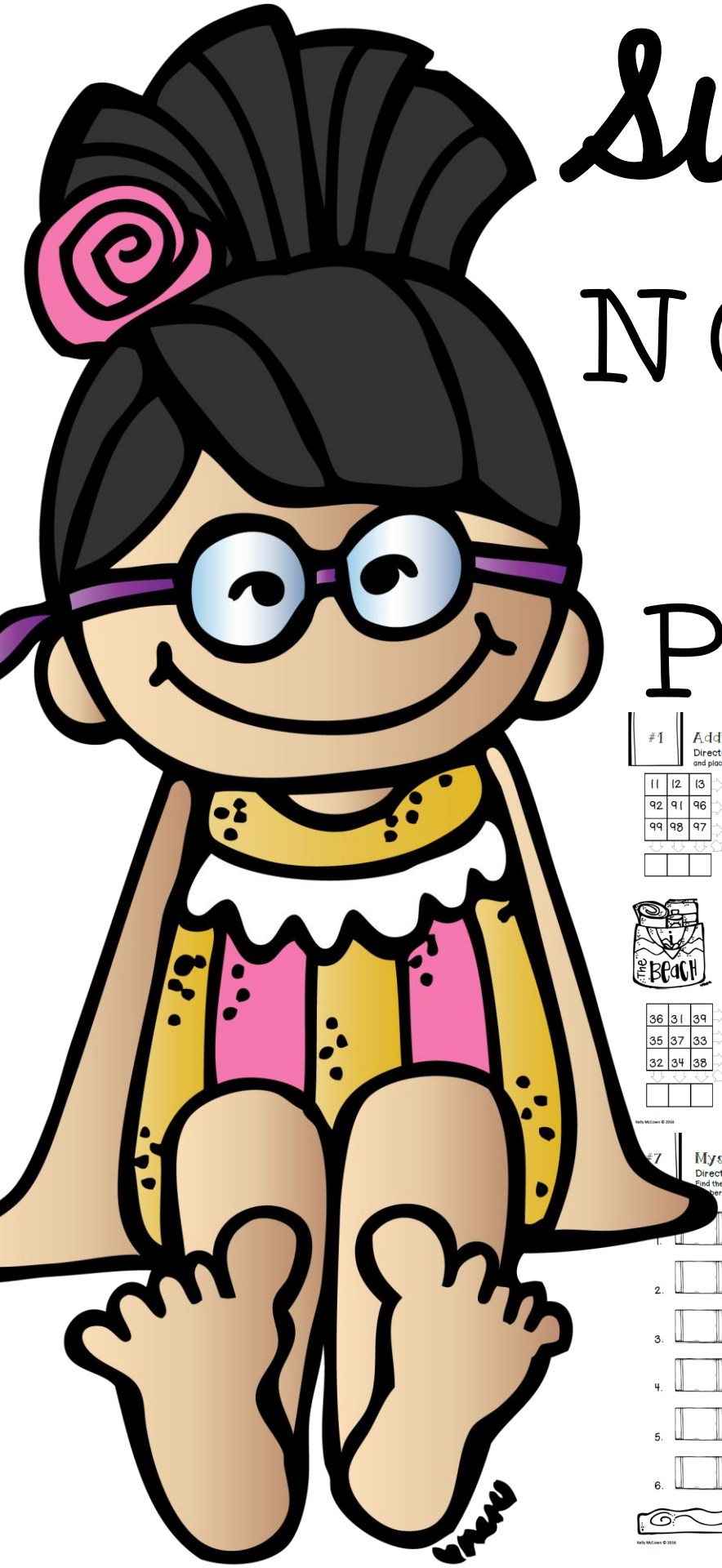
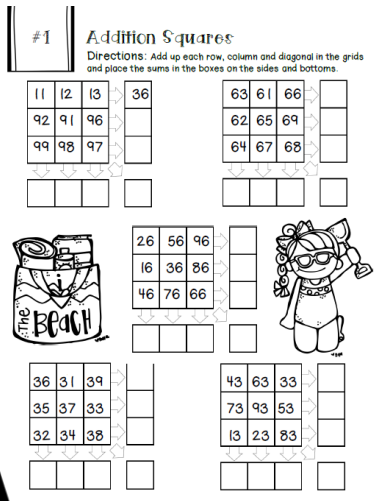
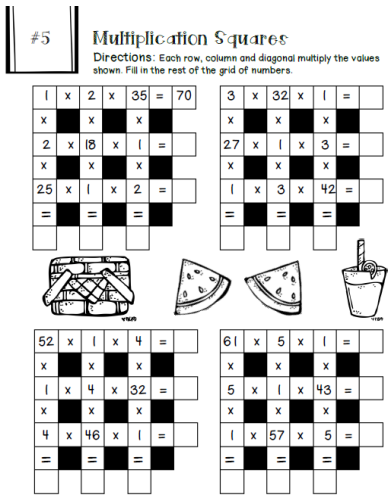
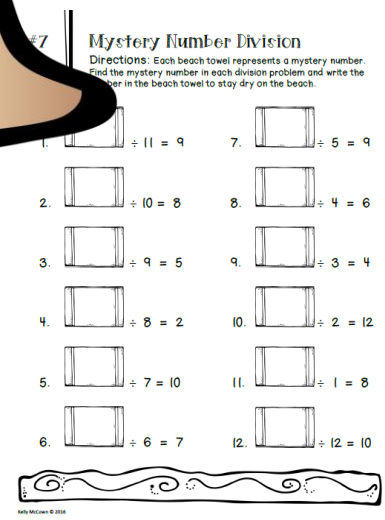
Grade 5 | Math | By Kelly McCown

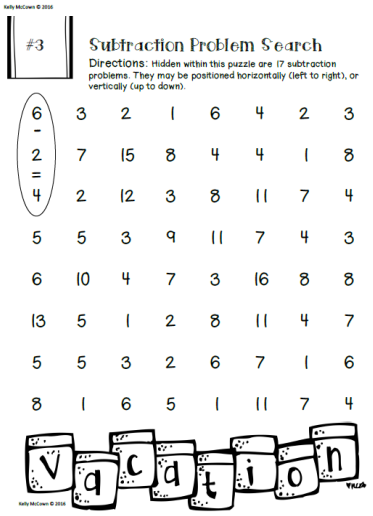


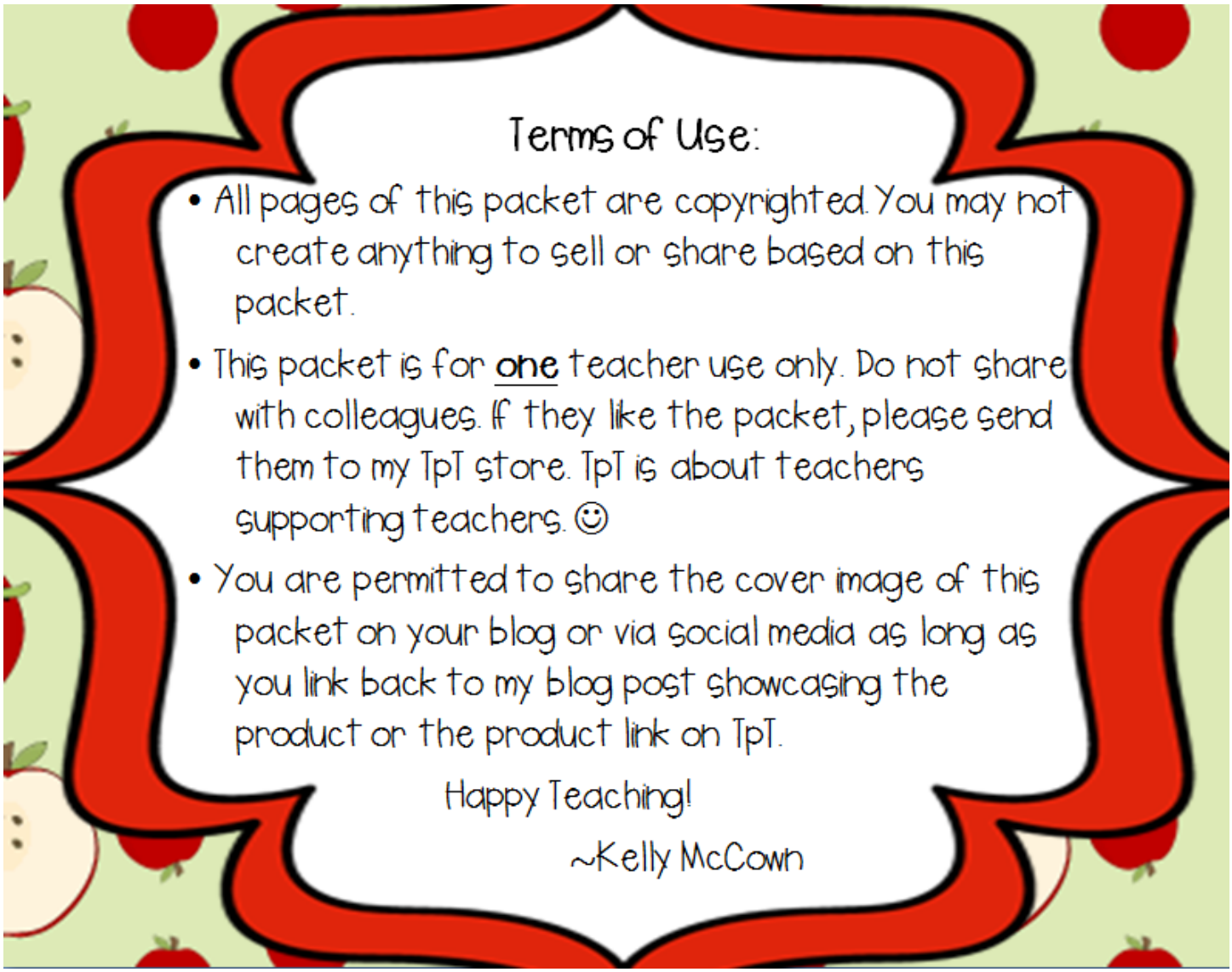
Summer NO PREP Math Packet











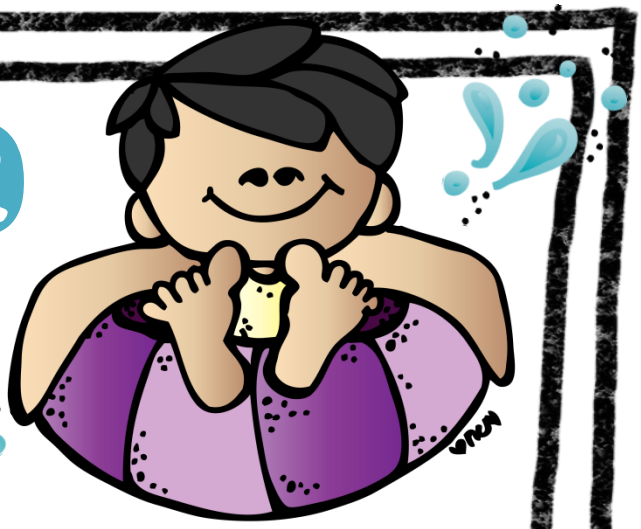
This packet was designed and developed by Kelly McCown.

Thank you for your purchase!

DO YOU LIKE THIS?
Rate this product on TpT! Earn Points
CLICK HERE

For more lessons and ideas visit: http://theitteacherblog.blogspot.com/
Graphics from www.mycutegraphics.com/,
Graphics from the pond, Melonheadz, and Creative Clips

SUMMER FUN!



This Packet is:

-for students who have completed 5th grade and are going into 6th grade

-intended for students to complete within 30 days or less

-complete with FUN activities centered on reviewing math curriculum

-tied to Common Core benchmarks required for 6th grade

-30 Pages (or 15 pages copied front and back) with Progress Sheet

-Answer keys included

-A Sample Letter to parents & students from Math Department

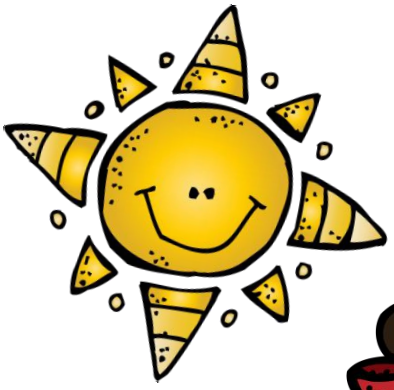
-Certificate of completion

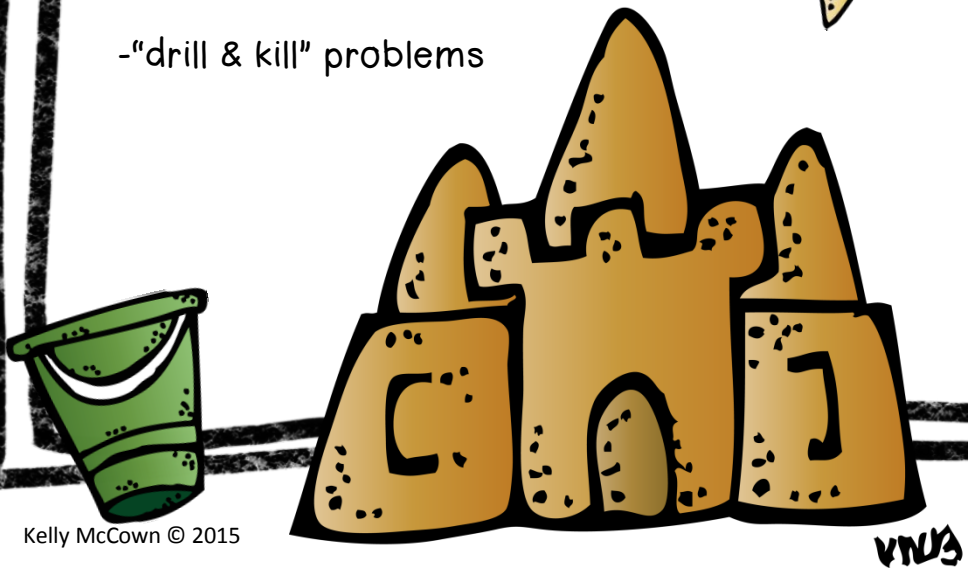
This Packet is NOT:

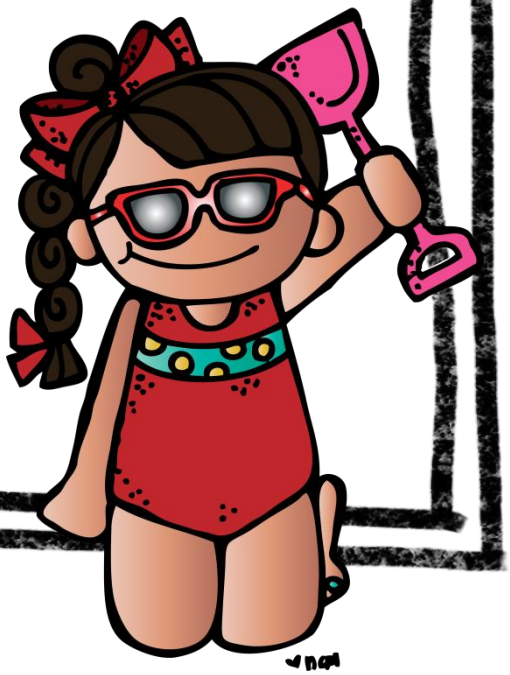
-boring

-for remedial students

-"drill & kill" problems







NO Prep Packets Available

Click

"Follow me" on TPT

for Flash Freebies & Sales

Sample Letter to Parents & Students

June 2016

To students entering 6th grade at ABC Middle School for the 2016-2017 school year,

Greetings! Next year will be an exciting and challenging year as you take 6th grade Math. The curriculum in math has been designed to prepare students meet the rigor of the end of course exam and be prepared for 7th grade math and beyond. Some of the important skills you need to have in order to be ready for 6th grade include: write simple expressions, analyze patterns, use parentheses, understand place value, perform operations with decimals, add and subtract fractions, understand multiplication and division, convert measures, represent and interpret data, understand volume, graphs points, and classify 2-D figures.

This packet has been put together with those skills in mind. To help you strengthen and keep your math skills sharp over the summer, we would like you to complete this packet. If you work two to three pages each week, you'll have the packet completed by the beginning of the school year. This packet will be your first grade in math class. It is due the first full week of school to your sixth grade math teacher. If you feel you need extra practice beyond that provided in this packet there are several resources available online.

In order to receive credit for this packet, you must show all work. No calculators may be used in completing this packet. Answers with no work will receive no credit!

We hope you have a fun and safe summer. We look forward to meeting you in August!

Sincerely,

ABC Middle School Math Teachers

P.S. Show ALL work where applicable. You may complete your work on a separate piece of paper if you need additional space. Be sure to label each problem with the page and problem number and final answer in the packet. No calculators may be used. Answers with no work will receive no credit!

If you need to reprint any portion of this packet you may pick up an additional copy in the front office of ABC middle school or you can go on the school's website at www.abcmiddleschool.net to print. Additional textbook support can also be found on the school's website.

If you have any questions from June to August 2016, feel free to contact Amy Smith, Math Department Chair Teacher at amysmith@abcmiddleschool.net.

Overview of Packet

Days By Topic:

Days 1-4: Writing simple expressions & analyzing patterns

Days 5-8: Performing operations with decimals

Days 9-13: Adding and subtracting fractions

Days 14-17: Multiplying and dividing fractions

Days 18-19: Understanding place value

Day 20-22: Measurement

Day 23-24: Representing and interpreting data

Day 25-26: Understanding volume

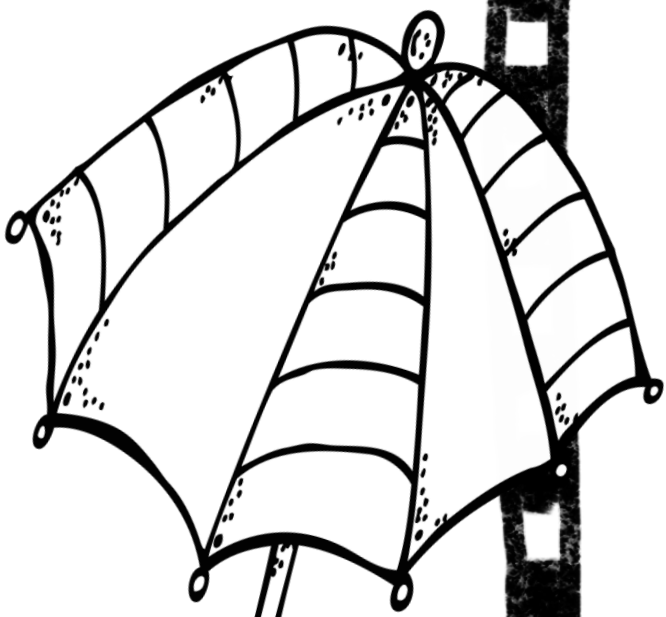
Day 27-29: Graphing points

Day 30: Classifying 2-D figures

2016

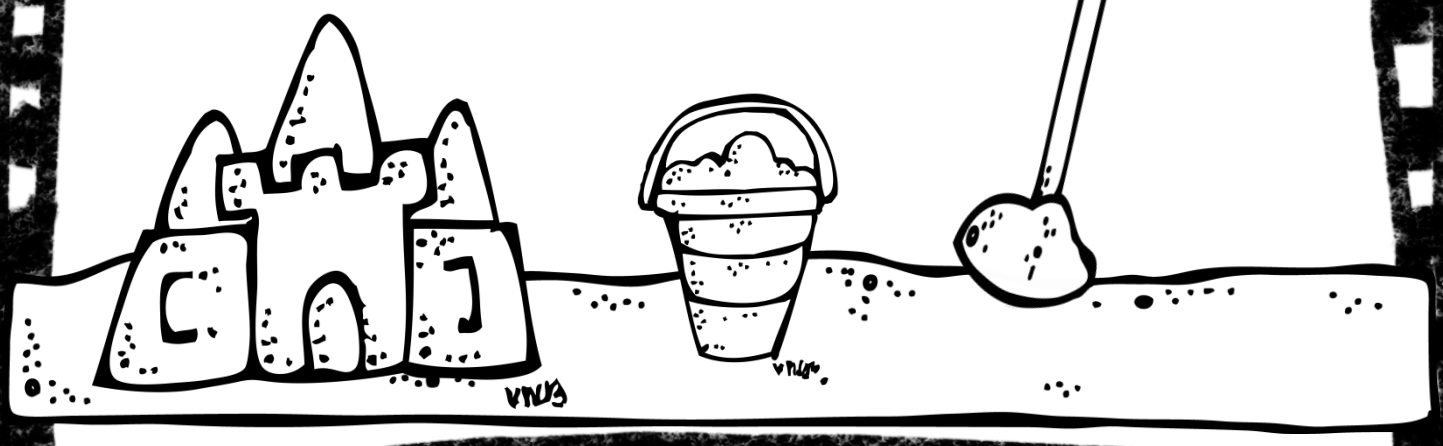
Summer Math Packet

6th grade



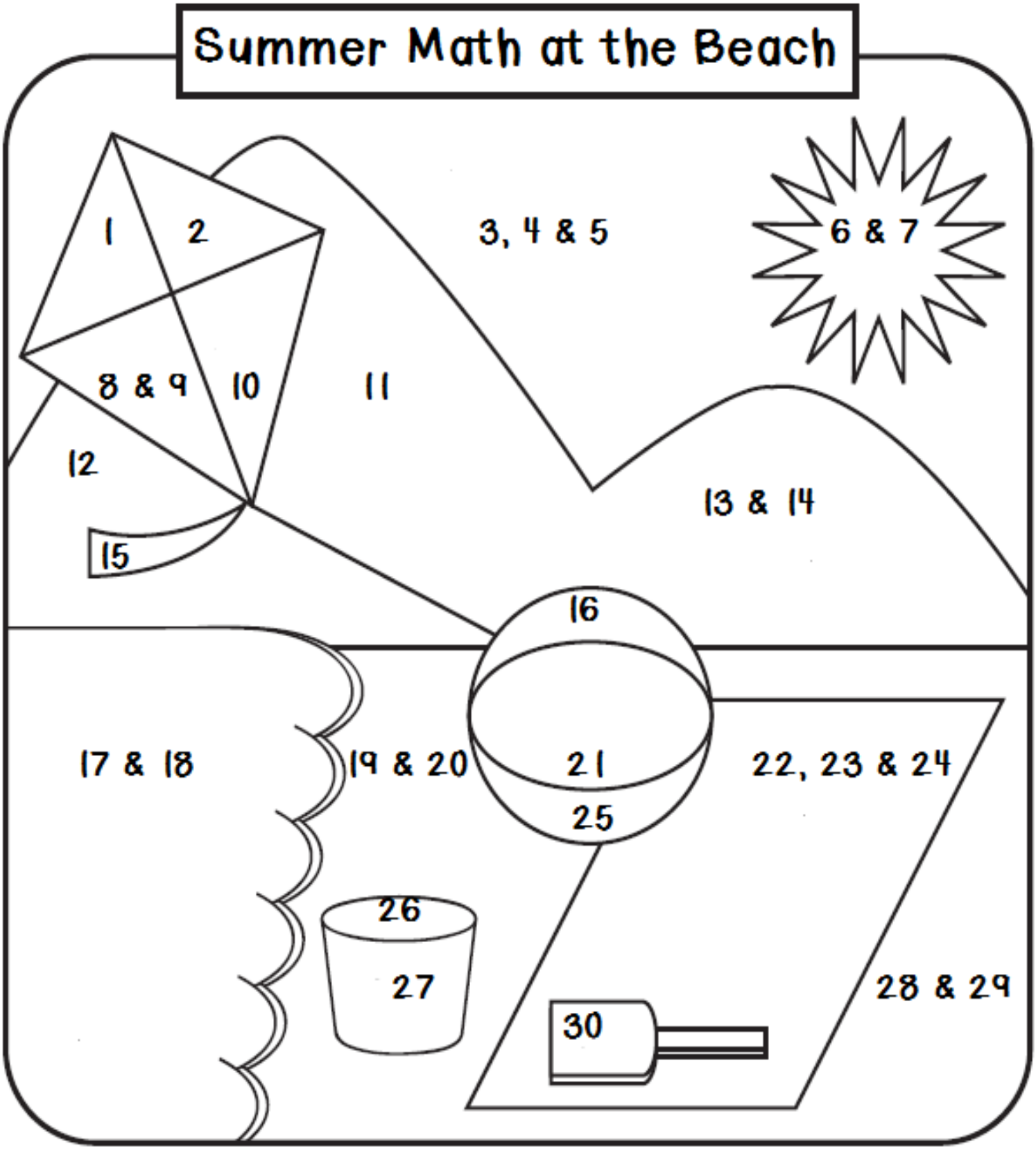
Belongs to:

_____



Marking your progress!

Directions: After completing a page in this packet, color the day in to reveal a Summer Beach Picture at the completion of your summer math packet.



#1

Addition Squares

Directions: Add up each row, column and diagonal in the grids and place the sums in the boxes on the sides and bottoms.

9	2	4	
3	7	8	
6	1	5	

2	3	8	
6	9	4	
5	7	1	

5	6	7	
3	9	4	
1	8	2	

1	5	6	
7	8	9	
3	2	4	

8	1	6	
7	2	4	
5	9	3	

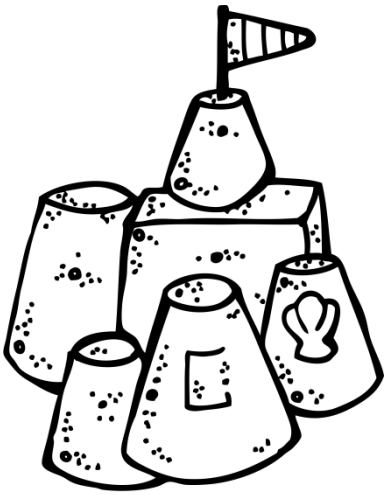
#2

Addition Squares

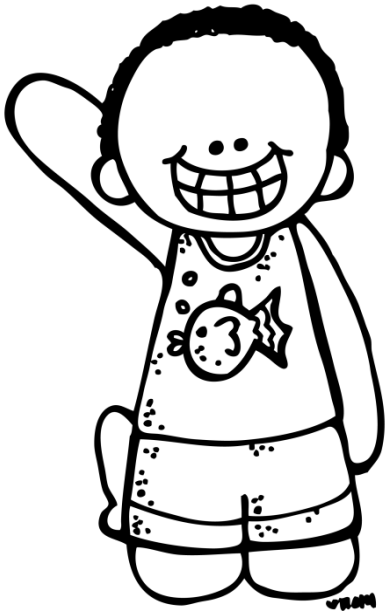
Directions: Each row, column and diagonal add up to the values shown. Fill in the rest of the grid of numbers.

6			17
			15
	7	2	13
11	24	10	17

4			21
			10
2	7		14
9	17	19	10



7			12
			17
6		2	16
18	18	9	18



7			18
	4		12
	1		15
18	7	20	19

3			12
5			17
	9		16
14	24	7	12

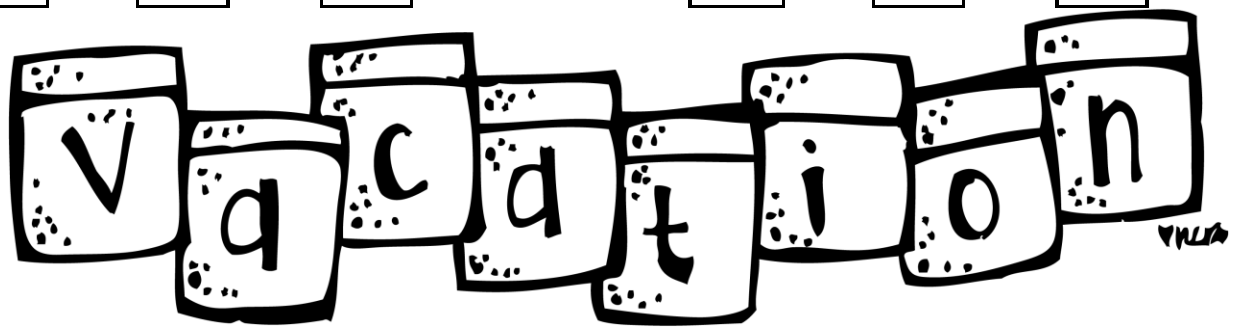
#3

Equation Squares

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

1	+	4	-	6	=	
-		÷		+		
3	x	2	-	7	=	
x		-		-		
9	+	8	x	5	=	
=		=		=		

6	÷	1	+	7	=	
÷		+		x		
2	-	3	–	8	=	
-		x		÷		
9	-	5	-	4	=	
=		=		=		



4	+	7	÷	1	=	
÷		+		x		
2	-	3	x	8	=	
x		-		-		
6	-	9	x	5	=	
=		=		=		

5	x	6	+	8	=	
x		÷		÷		
7	x	3	+	4	=	
x		-		-		
2	x	1	+	9	=	
=		=		=		

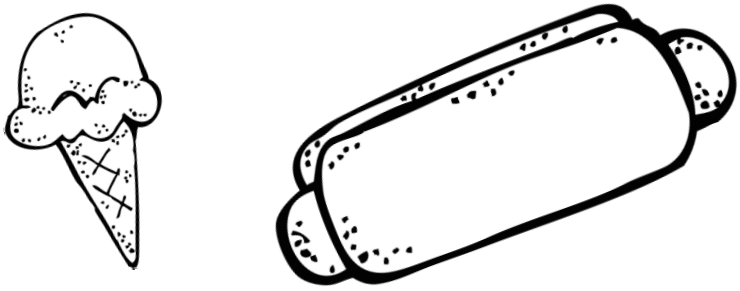
#4

Equation Squares

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

9		8		7	=	10
	■		■		■	
2		5		6	=	60
	■		■		■	
1		4		3	=	0
=	■	=	■	=	■	
7		-12		14		

4		1		3	=	7
	■		■		■	
5		2		7	=	17
	■		■		■	
8		9		6	=	-46
=	■	=	■	=	■	
28		11		2		



6		4		8	=	38
	■		■		■	
5		2		9	=	90
	■		■		■	
1		3		7	=	11
=	■	=	■	=	■	
30		6		24		

8		4		2	=	4
	■		■		■	
7		1		3	=	4
	■		■		■	
5		6		9	=	8
=	■	=	■	=	■	
61		10		-10		

#5

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!

0.18	2.54	9.12	16.27	22.3
0.5	4.75	9.9	18.00	23.23
0.66	5.79	FREE SPACE	19.12	24.63
1.54	8.11	14.14	20.63	25.27
1.99	9.02	15.76	21.9	29.11

1. 1.23 + 4.56 = _____

2. 7.89 + 1.23 = _____

3. 0.22 + 0.44 = _____

4. 11.2 + 4.56 = _____

5. 20.03 + 4.6 = _____

6. 0.03+ 0.15 = _____

7. 9.09 + 5.05 = _____

8. 0.88 + 0.66 = _____

9. 22.2 + 3.07 = _____

10. 8.34 + 1.56 = _____

#6

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 = _____

2. 0.11 + 8.8 = _____

3. 0.33 + 1.66 = _____

4. 0.3 + 0.2 = _____

5. 7.07 + 4.04 = _____

6. 0.3 - 0.15 = _____

7. 29.09 - 6.5 = _____

8. 30.88 - 6.77 = _____

9. 24.2 – 6.36 = _____

10. 23.45 – 1.16 = _____

#7

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

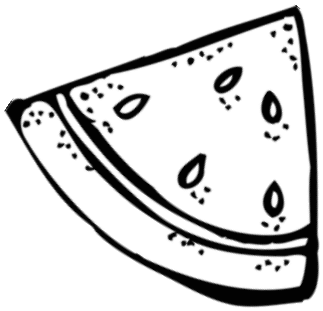
		0.6	
1.5			
	1.8	2.1	3.6
1.2	4.5		0.3

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	

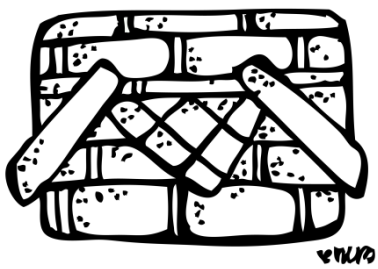


The magic number is 3.4

			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		

#8

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 6.5

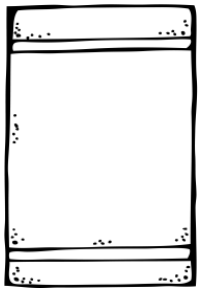
		0.4	2.3	1.7
	1.2	0.6	0.5	
2.5		1.3		
0.2		2.0		0.8
0.9	0.3			1.5

The magic number is 39.0

	14.4	0.6	4.8	9.0
	3.0	4.2	8.4	9.6
	3.6	7.8	12.0	
6.0	7.2			
				5.4

The magic number is 19.5

2.7		7.5	5.4	
0.9	6.3			3.0
				1.2
	4.2		1.5	6.9
4.5	2.4		7.2	5.1



The magic number is 6.5

1.7		0.1	0.8	1.5
		1.3	2.0	2.2
1.0		1.9	2.1	0.3
1.1		2.5		0.9

The magic number is 26.0

6.0		8.8		
3.2		8.0	8.4	
0.4		5.2	7.6	
9.6		2.4	4.8	7.2
	9.2			4.4

The magic number is 13.0

2.2				
		1.2		4.8
5.0	3.8	2.6		0.2
0.4	4.2			1.6
1.8		4.4	3.2	3.0

#9

Fractions Maze

Directions: Find your way from the top to the inner tube (bottom) by following the path of correct answers. You can only exit a cell if the number matches the answer to the problem.

$\frac{5}{13} > \frac{8}{13}$	$\frac{8}{10} < \frac{7}{10}$	$\frac{1}{7} > \frac{1}{3}$	$\frac{3}{12} > \frac{5}{12}$	$\frac{9}{14} < \frac{9}{18}$	$\frac{2}{7} > \frac{2}{11}$	$\frac{2}{12} > \frac{2}{6}$	$\frac{5}{18} > \frac{5}{16}$	$\frac{10}{18} > \frac{13}{18}$
$\frac{11}{19} < \frac{10}{19}$	$\frac{5}{8} < \frac{5}{13}$	$\frac{2}{16} > \frac{2}{14}$	$\frac{5}{9} > \frac{7}{9}$	$\frac{2}{12} > \frac{2}{4}$	$\frac{1}{12} < \frac{8}{12}$	$\frac{15}{17} < \frac{4}{17}$	$\frac{8}{11} < \frac{8}{12}$	$\frac{4}{16} > \frac{4}{15}$
$\frac{5}{13} > \frac{12}{13}$	$\frac{7}{12} < \frac{3}{12}$	$\frac{4}{8} < \frac{4}{14}$	$\frac{1}{4} < \frac{1}{9}$	$\frac{4}{19} > \frac{4}{10}$	$\frac{1}{8} < \frac{1}{5}$	$\frac{4}{5} < \frac{4}{17}$	$\frac{1}{3} < \frac{1}{16}$	$\frac{4}{8} > \frac{5}{8}$
$\frac{7}{19} < \frac{2}{19}$	$\frac{5}{20} > \frac{5}{11}$	$\frac{1}{4} < \frac{1}{6}$	$\frac{2}{13} < \frac{2}{16}$	$\frac{1}{4} > \frac{1}{3}$	$\frac{3}{11} < \frac{5}{11}$	$\frac{5}{10} < \frac{9}{10}$	$\frac{7}{13} > \frac{4}{13}$	$\frac{3}{7} > \frac{6}{7}$
$\frac{1}{5} > \frac{3}{5}$	$\frac{1}{15} > \frac{1}{6}$	$\frac{9}{14} < \frac{6}{14}$	$\frac{3}{19} > \frac{3}{11}$	$\frac{6}{13} < \frac{6}{18}$	$\frac{5}{13} > \frac{5}{10}$	$\frac{4}{5} < \frac{4}{9}$	$\frac{8}{12} > \frac{5}{12}$	$\frac{1}{11} > \frac{1}{8}$
$\frac{12}{16} < \frac{11}{16}$	$\frac{12}{16} > \frac{12}{13}$	$\frac{7}{19} < \frac{4}{19}$	$\frac{3}{15} > \frac{3}{12}$	$\frac{1}{4} < \frac{1}{10}$	$\frac{2}{14} > \frac{2}{3}$	$\frac{1}{4} < \frac{2}{4}$	$\frac{5}{9} < \frac{5}{6}$	$\frac{7}{20} > \frac{19}{20}$
$\frac{6}{9} > \frac{3}{9}$	$\frac{5}{12} < \frac{7}{12}$	$\frac{8}{18} < \frac{8}{14}$	$\frac{4}{7} > \frac{4}{11}$	$\frac{3}{4} < \frac{1}{4}$	$\frac{3}{9} > \frac{3}{5}$	$\frac{7}{12} > \frac{7}{15}$	$\frac{6}{19} > \frac{17}{19}$	$\frac{3}{13} > \frac{3}{7}$
$\frac{7}{17} < \frac{11}{17}$	$\frac{1}{14} > \frac{4}{14}$	$\frac{13}{17} < \frac{7}{17}$	$\frac{1}{16} < \frac{11}{16}$	$\frac{4}{11} < \frac{4}{19}$	$\frac{2}{3} < \frac{2}{13}$	$\frac{7}{11} > \frac{7}{14}$	$\frac{4}{10} < \frac{7}{10}$	$\frac{1}{4} < \frac{1}{7}$
$\frac{5}{8} < \frac{5}{6}$	$\frac{1}{14} > \frac{1}{4}$	$\frac{2}{14} < \frac{2}{17}$	$\frac{1}{5} > \frac{1}{11}$	$\frac{5}{11} > \frac{8}{11}$	$\frac{4}{17} > \frac{13}{17}$	$\frac{11}{18} < \frac{11}{20}$	$\frac{2}{5} < \frac{4}{5}$	$\frac{13}{14} < \frac{2}{14}$
$\frac{1}{10} < \frac{7}{10}$	$\frac{6}{13} > \frac{6}{14}$	$\frac{3}{18} > \frac{3}{5}$	$\frac{15}{18} > \frac{2}{18}$	$\frac{2}{17} < \frac{2}{6}$	$\frac{3}{13} < \frac{3}{4}$	$\frac{6}{9} > \frac{6}{19}$	$\frac{14}{15} > \frac{1}{15}$	$\frac{2}{15} > \frac{2}{8}$
$\frac{10}{20} < \frac{2}{20}$	$\frac{2}{15} < \frac{2}{8}$	$\frac{11}{14} < \frac{1}{14}$	$\frac{2}{18} > \frac{4}{18}$	$\frac{2}{13} < \frac{2}{16}$	$\frac{8}{10} < \frac{7}{10}$	$\frac{16}{17} < \frac{5}{17}$	$\frac{8}{9} < \frac{7}{9}$	$\frac{1}{7} > \frac{5}{7}$
$\frac{2}{4} < \frac{2}{7}$	$\frac{5}{19} < \frac{5}{14}$	$\frac{12}{17} > \frac{12}{18}$	$\frac{6}{7} > \frac{1}{7}$	$\frac{5}{9} > \frac{5}{10}$	$\frac{3}{6} < \frac{3}{9}$	$\frac{6}{14} > \frac{6}{8}$	$\frac{5}{18} > \frac{5}{9}$	$\frac{1}{3} < \frac{1}{20}$
$\frac{6}{17} > \frac{6}{13}$	$\frac{5}{12} < \frac{5}{13}$	$\frac{9}{10} < \frac{6}{10}$	$\frac{3}{17} > \frac{3}{4}$	$\frac{4}{5} > \frac{4}{13}$	$\frac{1}{5} < \frac{1}{10}$	$\frac{2}{4} > \frac{3}{4}$	$\frac{6}{15} > \frac{9}{15}$	$\frac{9}{17} > \frac{15}{17}$
$\frac{10}{18} > \frac{10}{14}$	$\frac{1}{3} < \frac{1}{9}$	$\frac{1}{10} < \frac{1}{15}$	$\frac{8}{12} > \frac{6}{12}$	$\frac{6}{19} < \frac{6}{7}$	$\frac{1}{6} < \frac{1}{10}$	$\frac{1}{3} > \frac{2}{3}$	$\frac{4}{16} < \frac{4}{20}$	$\frac{6}{14} > \frac{11}{14}$
$\frac{1}{13} > \frac{3}{13}$	$\frac{4}{7} < \frac{2}{7}$	$\frac{10}{17} > \frac{13}{17}$	$\frac{6}{7} > \frac{6}{16}$	$\frac{3}{13} > \frac{11}{13}$	$\frac{2}{3} < \frac{2}{13}$	$\frac{3}{5} < \frac{2}{5}$	$\frac{10}{12} < \frac{8}{12}$	$\frac{6}{13} > \frac{6}{7}$

#10 Fractions Maze

Directions: Find your way from the top to the inner tube (bottom) by following the path of correct answers. You can only exit a cell if the number matches the answer to the problem.

$\frac{13}{20} < \frac{1}{2}$	$\frac{7}{18} > \frac{7}{12}$	$\frac{17}{24} < \frac{1}{2}$	$\frac{8}{13} > \frac{29}{45}$	$\frac{3}{41} > \frac{2}{7}$	$\frac{16}{17} > \frac{20}{49}$	$\frac{41}{46} < \frac{3}{4}$	$\frac{25}{46} < \frac{11}{43}$	$\frac{1}{2} < \frac{2}{13}$
$\frac{31}{40} > \frac{7}{13}$	$\frac{2}{3} > \frac{1}{5}$	$\frac{1}{3} < \frac{7}{11}$	$\frac{5}{14} < \frac{2}{7}$	$\frac{4}{9} < \frac{11}{34}$	$\frac{33}{37} > \frac{15}{23}$	$\frac{1}{2} > \frac{5}{12}$	$\frac{43}{45} < \frac{20}{33}$	$\frac{1}{2} > \frac{2}{3}$
$\frac{13}{32} > \frac{6}{23}$	$\frac{9}{43} > \frac{11}{49}$	$\frac{5}{6} > \frac{7}{19}$	$\frac{2}{3} > \frac{2}{9}$	$\frac{3}{44} > \frac{1}{3}$	$\frac{10}{23} > \frac{3}{5}$	$\frac{7}{9} > \frac{1}{2}$	$\frac{28}{43} > \frac{7}{12}$	$\frac{3}{11} > \frac{21}{41}$
$\frac{7}{12} > \frac{12}{35}$	$\frac{1}{2} < \frac{1}{3}$	$\frac{1}{7} > \frac{2}{3}$	$\frac{1}{7} < \frac{38}{41}$	$\frac{1}{3} > \frac{10}{31}$	$\frac{7}{8} < \frac{10}{17}$	$\frac{1}{2} < \frac{5}{14}$	$\frac{31}{37} > \frac{7}{10}$	$\frac{34}{39} < \frac{1}{7}$
$\frac{10}{27} < \frac{5}{13}$	$\frac{4}{11} > \frac{1}{7}$	$\frac{3}{4} < \frac{2}{11}$	$\frac{9}{22} < \frac{11}{27}$	$\frac{19}{21} > \frac{3}{38}$	$\frac{25}{37} > \frac{5}{17}$	$\frac{9}{10} > \frac{5}{9}$	$\frac{25}{38} < \frac{36}{47}$	$\frac{5}{14} > \frac{6}{7}$
$\frac{23}{45} > \frac{36}{47}$	$\frac{28}{29} > \frac{29}{41}$	$\frac{1}{21} < \frac{20}{49}$	$\frac{13}{14} < \frac{14}{23}$	$\frac{1}{10} > \frac{33}{49}$	$\frac{13}{14} < \frac{3}{4}$	$\frac{6}{7} > \frac{8}{9}$	$\frac{1}{2} < \frac{19}{44}$	$\frac{5}{14} < \frac{1}{5}$
$\frac{5}{18} > \frac{1}{2}$	$\frac{17}{27} < \frac{20}{33}$	$\frac{13}{27} < \frac{31}{35}$	$\frac{34}{47} < \frac{11}{14}$	$\frac{17}{18} < \frac{28}{41}$	$\frac{1}{4} < \frac{11}{29}$	$\frac{1}{2} > \frac{2}{15}$	$\frac{8}{17} > \frac{6}{13}$	$\frac{19}{28} > \frac{3}{23}$
$\frac{1}{5} > \frac{16}{47}$	$\frac{1}{19} > \frac{22}{25}$	$\frac{13}{17} < \frac{31}{43}$	$\frac{16}{25} > \frac{1}{5}$	$\frac{10}{13} > \frac{8}{31}$	$\frac{3}{5} > \frac{6}{17}$	$\frac{3}{13} > \frac{30}{41}$	$\frac{5}{8} > \frac{5}{6}$	$\frac{1}{3} > \frac{3}{34}$
$\frac{31}{48} < \frac{3}{5}$	$\frac{9}{10} < \frac{11}{17}$	$\frac{34}{47} < \frac{5}{8}$	$\frac{1}{2} < \frac{3}{10}$	$\frac{16}{45} < \frac{3}{13}$	$\frac{5}{6} > \frac{31}{33}$	$\frac{26}{45} < \frac{6}{11}$	$\frac{3}{5} > \frac{41}{48}$	$\frac{2}{3} > \frac{7}{27}$
$\frac{2}{13} > \frac{13}{25}$	$\frac{1}{3} > \frac{11}{19}$	$\frac{10}{17} < \frac{1}{2}$	$\frac{1}{2} < \frac{5}{36}$	$\frac{6}{7} < \frac{2}{7}$	$\frac{19}{25} < \frac{2}{3}$	$\frac{4}{7} > \frac{5}{6}$	$\frac{10}{23} < \frac{8}{19}$	$\frac{7}{11} > \frac{2}{17}$
$\frac{25}{44} > \frac{2}{3}$	$\frac{13}{17} > \frac{19}{21}$	$\frac{7}{15} > \frac{1}{2}$	$\frac{1}{4} > \frac{6}{13}$	$\frac{1}{2} > \frac{32}{47}$	$\frac{5}{9} > \frac{25}{44}$	$\frac{4}{21} < \frac{11}{34}$	$\frac{11}{49} > \frac{1}{11}$	$\frac{9}{20} > \frac{3}{23}$
$\frac{4}{5} < \frac{4}{19}$	$\frac{31}{35} < \frac{7}{17}$	$\frac{6}{17} < \frac{10}{41}$	$\frac{1}{2} > \frac{40}{41}$	$\frac{7}{31} > \frac{1}{3}$	$\frac{1}{8} > \frac{9}{10}$	$\frac{1}{32} < \frac{17}{23}$	$\frac{15}{44} < \frac{1}{3}$	$\frac{12}{49} < \frac{7}{29}$
$\frac{4}{5} < \frac{6}{17}$	$\frac{1}{5} > \frac{3}{4}$	$\frac{9}{22} > \frac{2}{7}$	$\frac{11}{26} < \frac{37}{48}$	$\frac{22}{23} > \frac{4}{21}$	$\frac{1}{2} > \frac{7}{39}$	$\frac{7}{12} > \frac{1}{7}$	$\frac{1}{2} > \frac{5}{7}$	$\frac{1}{2} > \frac{23}{26}$
$\frac{17}{31} > \frac{26}{35}$	$\frac{1}{2} > \frac{31}{34}$	$\frac{2}{7} < \frac{1}{2}$	$\frac{23}{35} > \frac{19}{20}$	$\frac{3}{5} < \frac{1}{2}$	$\frac{18}{29} > \frac{13}{17}$	$\frac{6}{13} > \frac{11}{14}$	$\frac{11}{14} < \frac{17}{35}$	$\frac{6}{7} < \frac{13}{22}$
$\frac{3}{4} > \frac{24}{29}$	$\frac{4}{13} < \frac{1}{4}$	$\frac{1}{3} = \frac{1}{3}$	$\frac{22}{29} < \frac{2}{9}$	$\frac{29}{46} > \frac{8}{11}$	$\frac{13}{20} < \frac{1}{5}$	$\frac{1}{3} > \frac{17}{48}$	$\frac{23}{35} > \frac{4}{5}$	$\frac{16}{17} < \frac{9}{16}$

#11

Fraction BINGO!

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

1/10	2/10	4/12	6/27	21/23
1/9	2/9	4/19	8/11	22/23
1/8	2/5	FREE SPACE	9/12	8/9
1/7	3/8	4/25	10/63	14/15
1/6	3/5	5/6	11/19	1

1. 2/10 + 1/5 = _____

2. 7/9 + 1/9 = _____

3. 0/2 + 2/2 = _____

4. 1/12 + 4/6 = _____

5. 2/3 + 1/6 = _____

6. 3/19 + 1/19 = _____

7. 9/23 + 12/23 = _____

8. 2/12 + 4/24 = _____

9. 1/20 + 1/20 = _____

10. 1/16 + 1/16 = _____

#12

Fraction BINGO!

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

0	3/9	5/9	5/25	11/15
2/9	4/7	5/18	5/11	14/15
2/6	4/8	FREE SPACE	5/30	1
2/12	4/14	5/10	5/21	7/5
2/3	4/16	5/15	5/6	9/8





1. 1/7 + 3/7 = _____

2. 3/11 + 8/11 = _____

3. 3/6 + 1/6 = _____

4. 4/6 + 2/12 = _____

5. 7/15 + 4/15 = _____

6. 13/14 – 9/14 = _____

7. 20/9 – 18/9 = _____

8. 11/18 – 1/3 = _____

9. 2/24 – 1/12 = _____

10. 23/11 – 18/11 = _____

#13

Fraction BINGO!

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

0	3/5	4/7	6/7	8/21
1/3	3/10	5/7	6/13	2/23
1/4	1/20	FREE SPACE	12/13	5/6
2/5	1/2	5/11	2/3	7/5
2/7	1/5	6/11	3/4	11/12

1. $3/7 - 1/7 =$ _____

2. $8/11 - 3/11 =$ _____

3. $3/6 - 1/6 =$ _____

4. $2/5 - 4/10 =$ _____

5. $9/10 - 3/5 =$ _____

6. $12/12 - 2/12 =$ _____

7. $7/4 - 4/4 =$ _____

8. $27/3 - 25/3 =$ _____

9. $20/2 - 19/2 =$ _____

10. $13/12 - 1/6 =$ _____

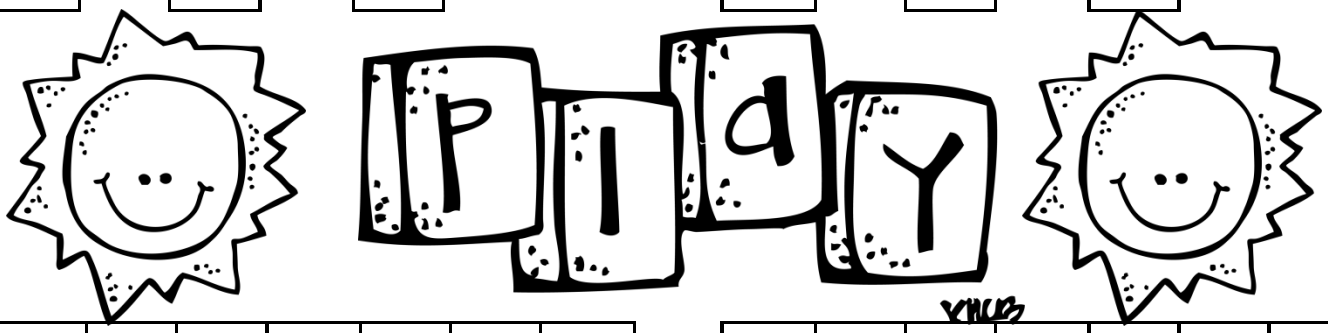
#14

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.

2/3	x	2/3	x	2/3	=	
÷		÷		÷		
1/3	x	1	x	1/3	=	
÷		÷		÷		
1	x	1/3	x	1	=	
=		=		=		

1/4	x	1/4	x	1/4	=	
÷		÷		÷		
2/4	x	1	x	2/4	=	
÷		÷		÷		
1	x	2/4	x	1	=	
=		=		=		



2/5	x	3/5	x	1/2	=	
÷		÷		÷		
1/5	x	1	x	1/5	=	
÷		÷		÷		
1	x	1/2	x	1	=	
=		=		=		

1/6	x	3/6	x	2/3	=	
÷		÷		÷		
2/6	x	1	x	2/3	=	
÷		÷		÷		
1	x	2/6	x	1	=	
=		=		=		

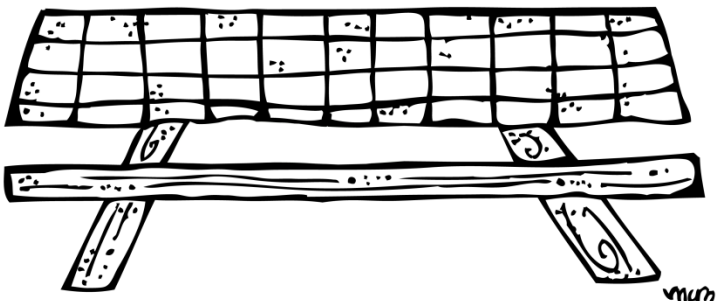
#15

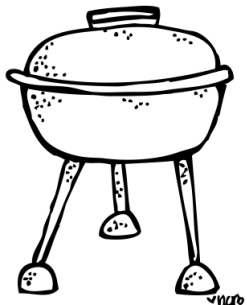
Fraction Squares

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

2/3	x	2/4	x	2/5	=	
÷		÷		÷		
1/4	x	1	x	1/4	=	
÷		÷		÷		
1	x	1/5	x	1	=	
=		=		=		

1/6	x	1/7	x	1/8	=	
÷		÷		÷		
2/7	x	1	x	2/7	=	
÷		÷		÷		
1	x	6/8	x	1	=	
=		=		=		





2/3	x	1/4	x	5/2	=	
÷		÷		÷		
1/4	x	1	x	1/2	=	
÷		÷		÷		
1	x	1/5	x	1	=	
=		=		=		

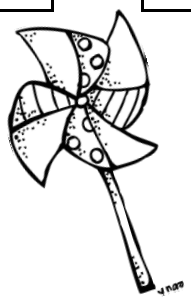
1/8	x	7/6	x	8/1	=	
÷		÷		÷		
2/7	x	1	x	2/6	=	
÷		÷		÷		
1	x	2/8	x	1	=	
=		=		=		

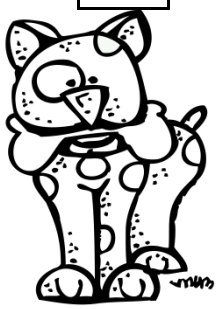
#16 Fraction Squares

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

3/4	x	2/5	x	1/6	=	
÷		÷		÷		
1/5	x	1	x	2/3	=	
÷		÷		÷		
1	x	4/6	x	1	=	
=		=		=		

1/8	x	2/4	x	3/6	=	
÷		÷		÷		
2/4	x	1	x	1/8	=	
÷		÷		÷		
1	x	3/6	x	1	=	
=		=		=		





3/3	x	1/3	x	2/3	=	
÷		÷		÷		
1/3	x	1	x	3/3	=	
÷		÷		÷		
1	x	2/3	x	1	=	
=		=		=		

8/2	x	4/3	x	1/6	=	
÷		÷		÷		
1/6	x	1	x	4/3	=	
÷		÷		÷		
1	x	8/2	x	1	=	
=		=		=		

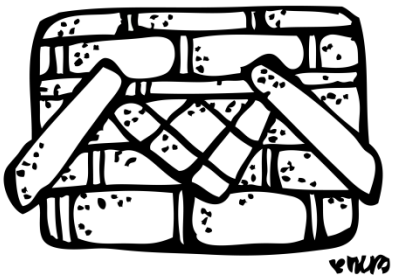
#17

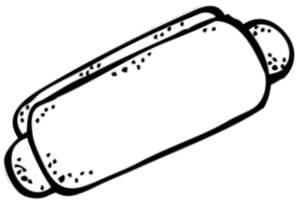
Fraction Squares

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

4/3	x	5/2	x	1/3	=	
÷		÷		÷		
5/2	x	1	x	4/3	=	
÷		÷		÷		
1	x	1/3	x	1	=	
=		=		=		

1/8	x	4/2	x	6/1	=	
÷		÷		÷		
4/2	x	1	x	1/8	=	
÷		÷		÷		
1	x	6/1	x	1	=	
=		=		=		





2/3	x	2/3	x	2/3	=	
÷		÷		÷		
1/3	x	1	x	1/3	=	
÷		÷		÷		
1	x	1/3	x	1	=	
=		=		=		

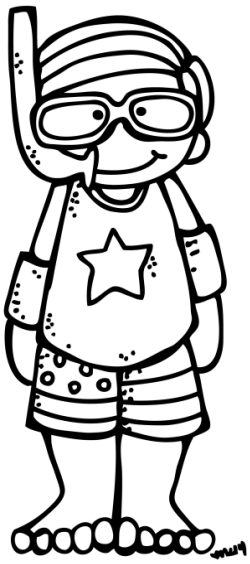
1/4	x	1/4	x	1/4	=	
÷		÷		÷		
2/4	x	1	x	2/4	=	
÷		÷		÷		
1	x	2/4	x	1	=	
=		=		=		

#18 Place Value Addition Squares

Directions: Add up each row, column and diagonal in the grids and place the sums in the boxes on the sides and bottoms.

9/ 10	2/ 100	4	4.92
3/ 100	7	8/ 10	
6	1/ 10	5/ 100	

1/ 10	2/ 100	3	
4/ 100	5	6/ 10	
7	8/ 10	9/ 100	



9/ 10	7/ 100	5	
3/ 100	1	2/ 10	
4	6/ 10	8/ 100	

2/ 10	4/ 100	6	
8/ 100	9	7/ 10	
5	3/ 10	1/ 100	

8/ 10	9/ 100	2	
5/ 100	3	1/ 10	
7	4/ 10	6/ 100	

#19

Place Value Addition Squares

Directions: Add up each row, column and diagonal in the grids and place the sums in the boxes on the sides and bottoms.

7/ 10	5/ 100	3	3.75
1/ 100	2	4/ 10	
6	8/ 10	9/ 100	

6/ 10	3/ 100	2	
1/ 100	7	5/ 10	
4	9/ 10	8/ 100	

5/ 10	3/ 100	2	
1/ 100	7	4/ 10	
6	8/ 10	9/ 100	

4/ 10	6/ 100	8	
9/ 100	7	5/ 10	
3	2/ 10	1/ 100	

3/ 10	1/ 100	8	
6/ 100	4	2/ 10	
5	7/ 10	9/ 100	

#20

Choose Your Measurements

Directions: Circle the units that would work best for measuring each object.

1. A hamburger with everything
   grams OR kilograms

2. A rope to play tug-of-war
   millimeters OR meters

3. The distance to the next town
   meters OR kilometers

4. A notecard
   millimeters OR meters

5. A tall palm tree
   Kilometers OR meters

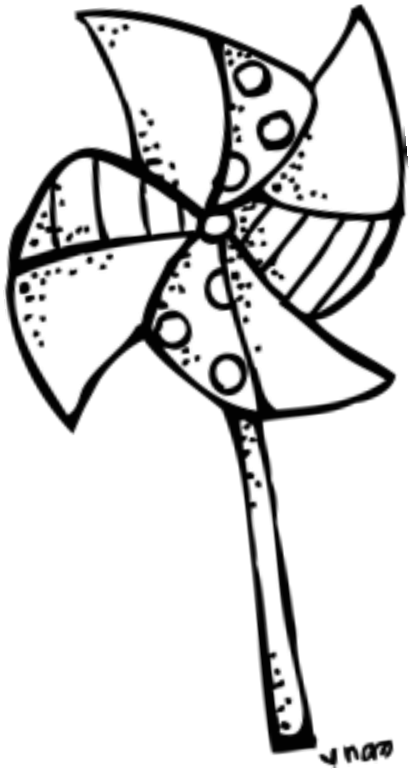
6. A big fish tank
   milliliters OR liters

7. A piece of chalk
   meters OR centimeters

8. The height of the grass outside
   centimeters OR meters

9. How far you can throw a ball
   millimeters OR meters

10. The width of a street
    centimeters OR meters



#21 Choose Your Measurements

Directions: Circle the units that would work best for measuring each object.

11. A loaf of bread
centimeters OR meters

12. The width of your shoe
meters OR centimeters

13. A bar of soap
meters OR millimeters

14. A paperback book
millimeters OR meters

15. A set of encyclopedias
Kilograms OR grams

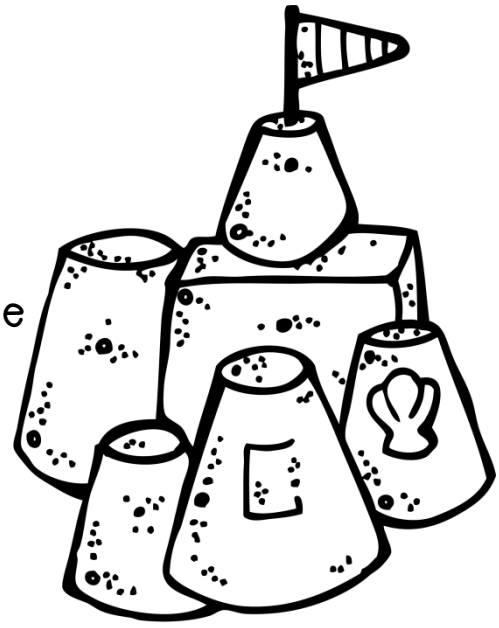
16. The length of your nose
millimeters OR meters

17. The length of your toe
meters OR centimeters

18. The width of a coin
millimeters OR meters

19. The juice squeezed from one orange
milliliters OR liters

20. A butter knife
centimeters OR meters



#22

Choose Your Measurements

Directions: Circle the estimate that would work best for measuring each object.

21. The height of your desk
    68 centimeters OR 68 meters

22. The distance to the moon
    370,000 m OR 370,000 km

23. The diameter of the Earth
    12,766 m OR 12,756 km

24. The length of your nose
    4 centimeters OR 4 meters

25. A piece of chalk
    4 centimeters OR 4 meters

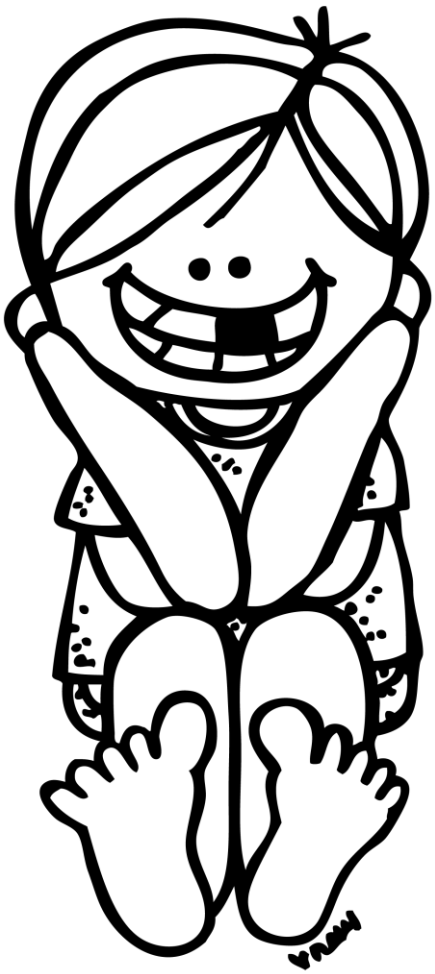
26. A rope to play tug-of-war
    10 millimeters OR 10 meters

27. A tall Palm tree
    12 meters OR 12 centimeters

28. The water a mouse drinks in one day
    19 milliliters OR 19 liters

29. The milk in your breakfast cereal
    82 milliliters OR 82 liters

30. The width of a street
    10 centimeters OR 10 meters



#23

Interpreting Line Plots

Directions: Write the amount of lemonade(s) the kids drank of the beach.

1. How many kids had one and a half lemonades?

   _____

2. How many kids had one fourth of a lemonade?

   _____

3. How many kids had one and a fourth lemonades?

   _____

4. How many kids had a half of a lemonade?

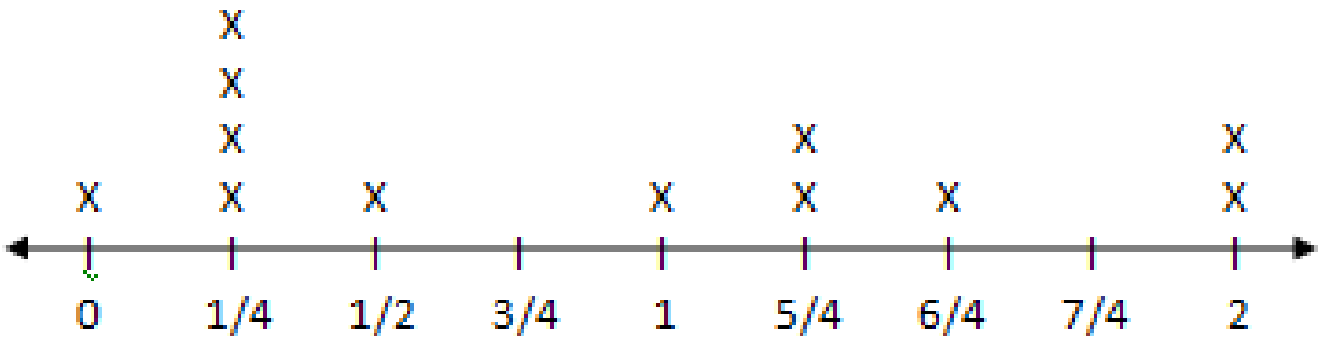
   _____

5. How many kids had one and three fourths lemonades?

   _____

6. How many kids had three fourths of a lemonade?

   _____



How much lemonade each kid drank

#24

Interpreting Line Plots

Directions: Write the amount of lemonade(s) the kids drank of the beach.

1. How many kids had one and a half ice creams?

   _____

2. How many kids had one fourth of an ice cream?

   _____

3. How many kids had one and a fourth ice cream?

   _____

4. How many kids had a half of an ice cream?

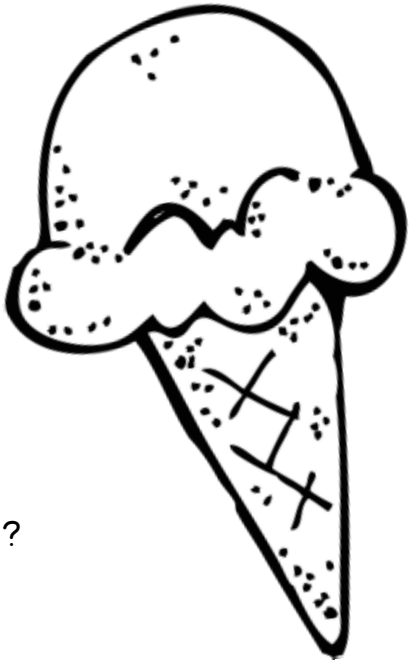
   _____

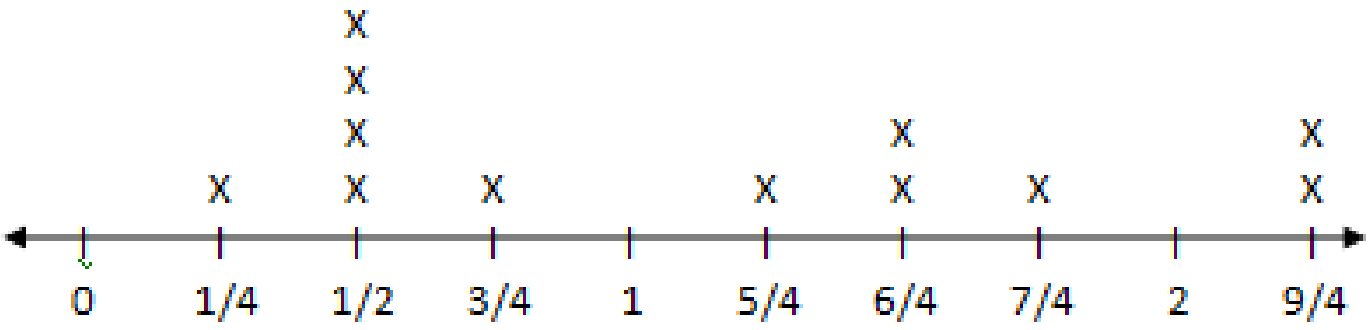
5. How many kids had one and three fourths ice cream?

   _____

6. How many kids had three fourths of an ice cream?

   _____



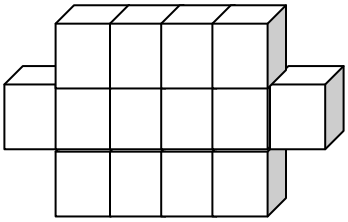


How many ice cream cones each kid ate

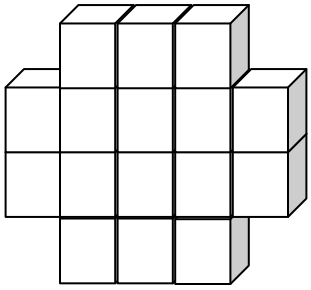
#25 Finding Icy Volume

Directions: Count the cubes to the find the volume of each ice sculpture on the beach. Each cube is 1 cubic feet.

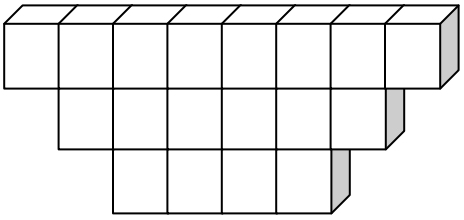
1. _____ cubic feet



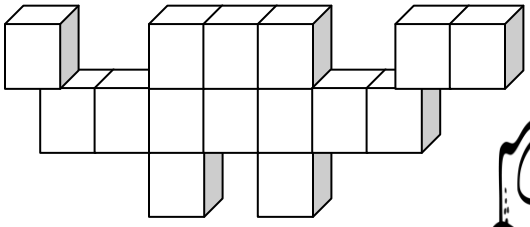
2. _____ cubic feet



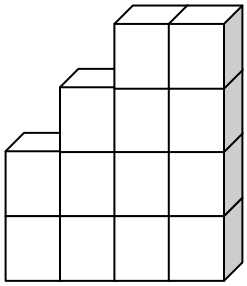
3. _____ cubic feet



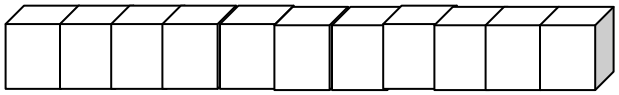
4. _____ cubic feet

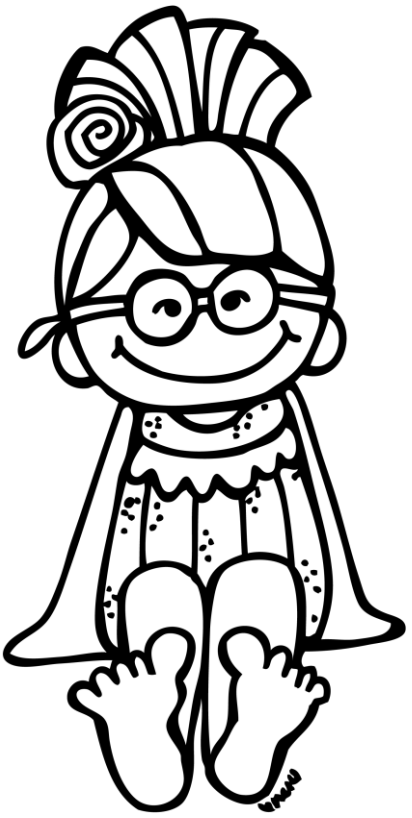


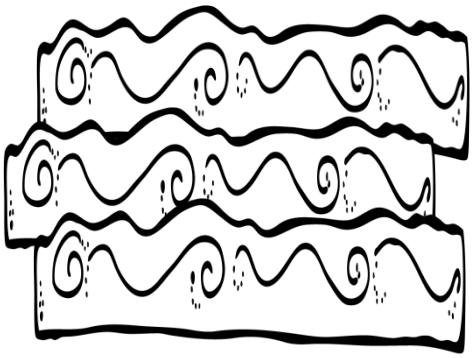
5. _____ cubic feet



6. _____ cubic feet





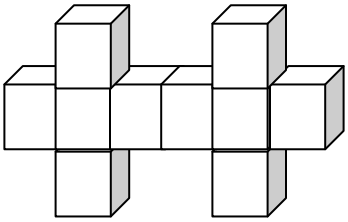


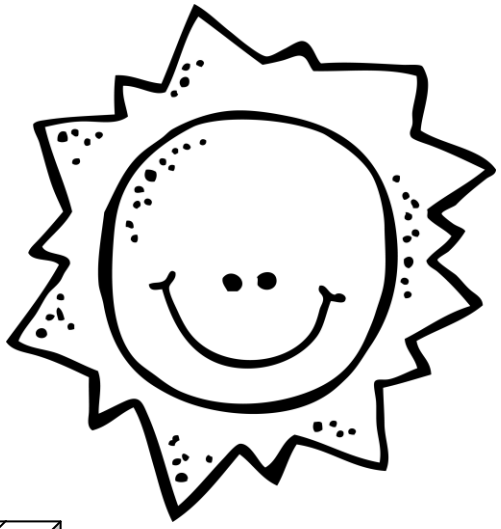
#26

Finding Icy Volume

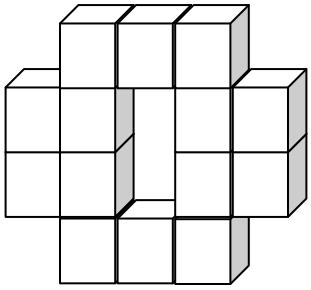
Directions: Count the cubes to the find the volume of each ice sculpture on the beach. Each cube is 1 cubic feet.

7. _____ cubic feet

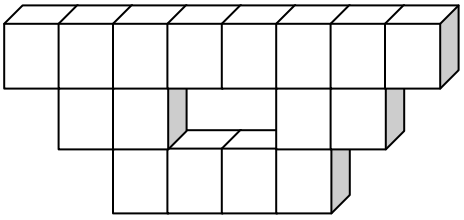




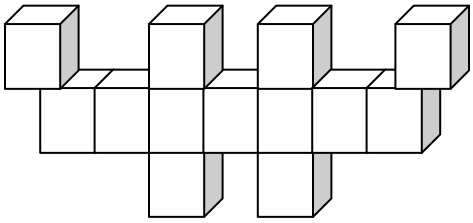
8. _____ cubic feet



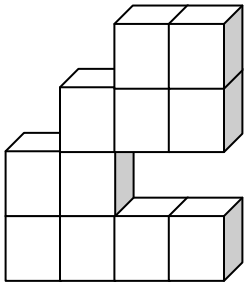
9. _____ cubic feet



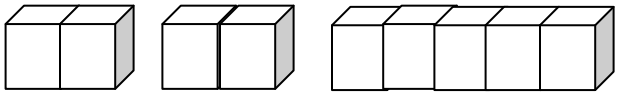
10. _____ cubic feet



11. _____ cubic feet



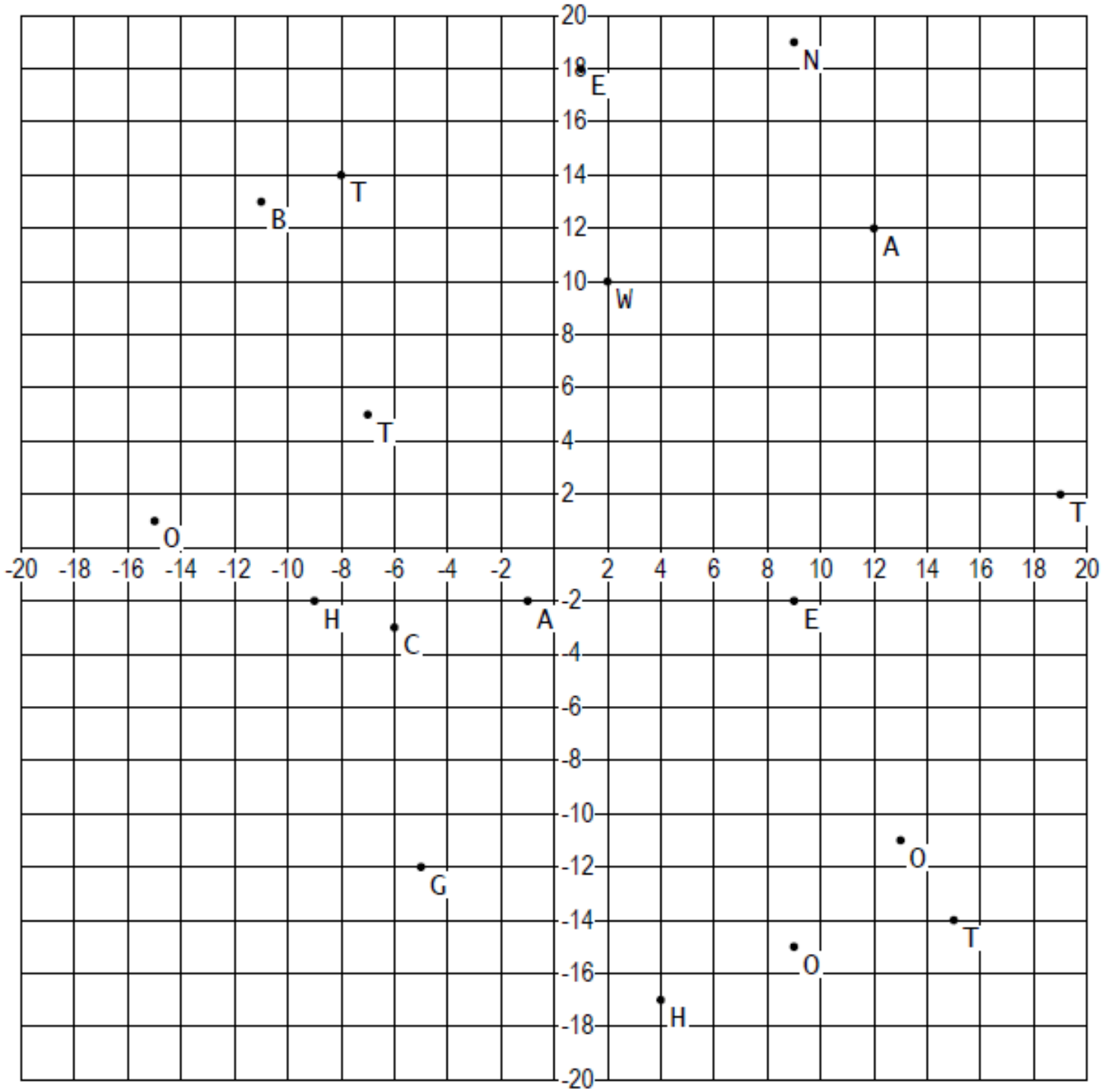
12. _____ cubic feet



#27

Graphing Points

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!

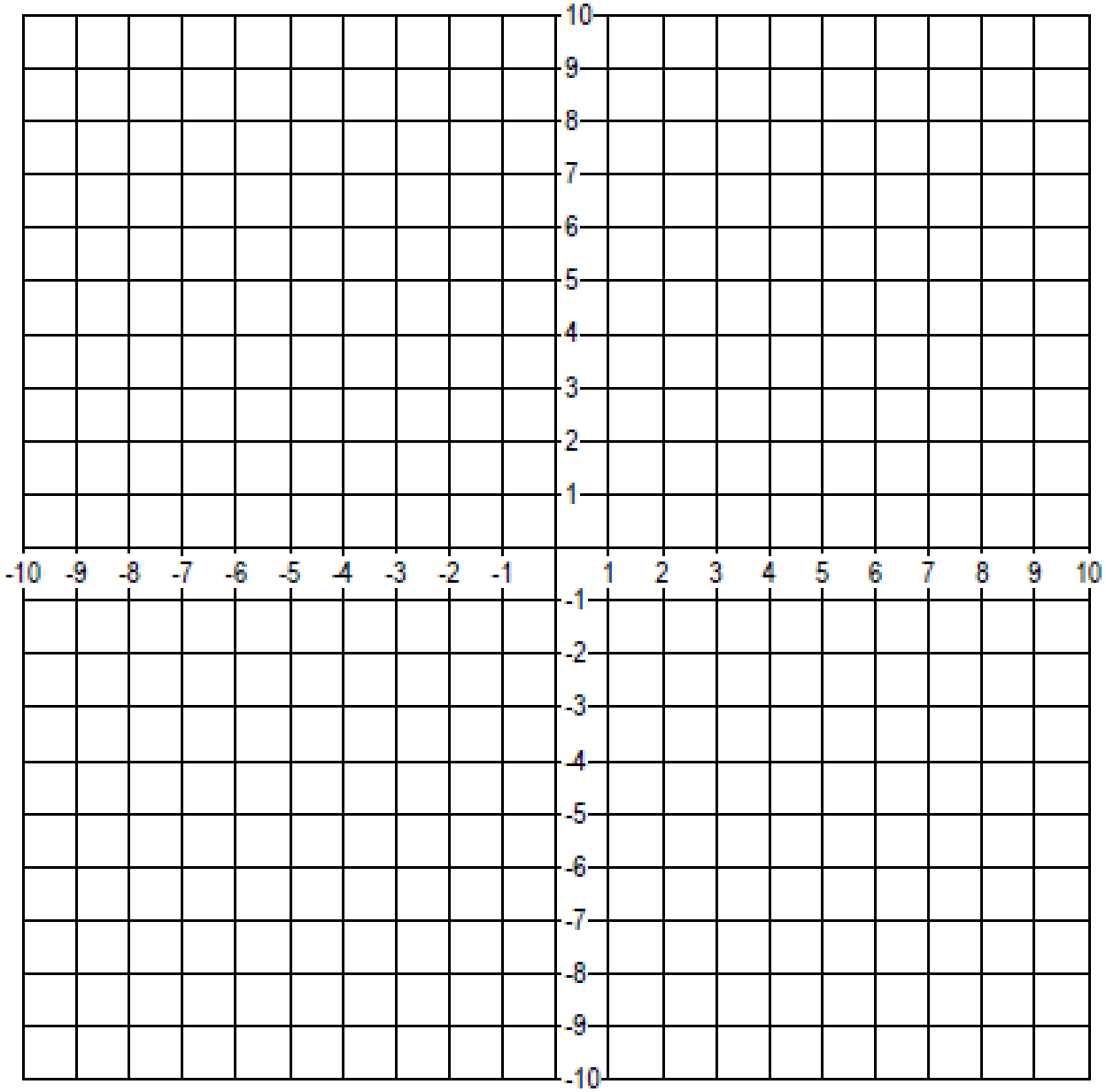


																						?
(2,10)	(-1,-2)	(9,19)	(19,2)	(-7,5)	(9,-15)	(-5,-12)	(13,-11)	(-8,14)	(-15,1)	(15,-14)	(-9,-2)	(1,18)	(-11,13)	(9,-2)	(12,12)	(-6,-3)	(4,-17)					

#28

Graphing Points

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

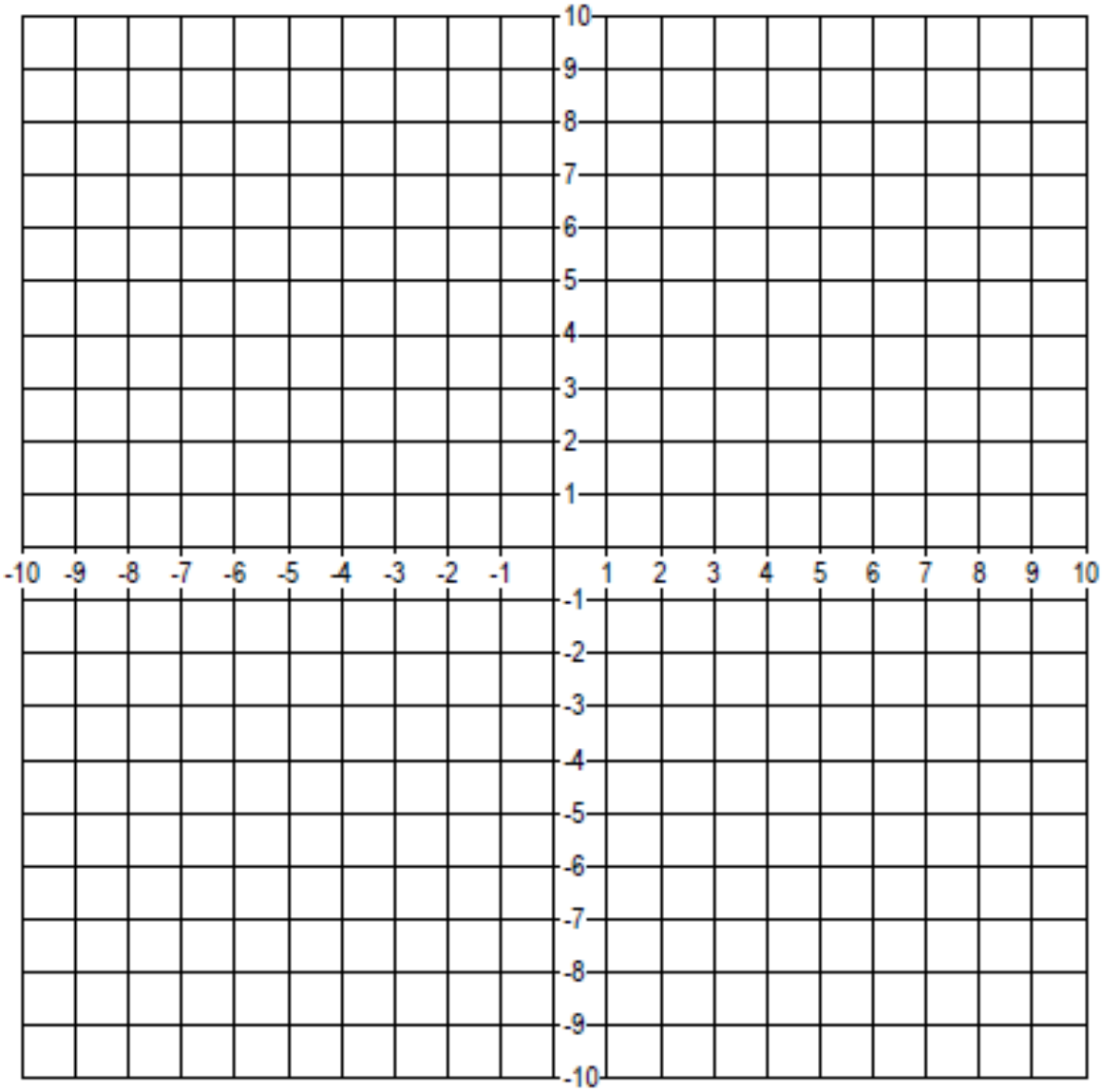


Line 1: (-6,-6), (-8,-5), (-10,-5), (-10,-4)
Line 2: (-4,6), (1,6),(4,5), (6,3), (7,1), (8,-2), (9,-2)
Line 3: (-8,-8), (-8,-9), (10,-3),(10,-2)
Line 4: (-2,-6), (-3,-5), (-3,-4), (-2,-3), (0,-3), (1,-4),(1,-5)
Line 5: (-6,-6), (-6,-5), (-8,-4), (-10,-4), (-4,6), (-4,7),(-3,8), (2,8), (6,6), (8,4), (9,2), (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)

#29

Graphing Points

Directions: Connect each series of points with lines to reveal a secret message.



(0,-12)(0,-4)(2,-10)(4,-4)(4,-12)
(10,-12)(6,-12)(6,-4)(10,-4)
(-16,2)(-16,10)
(-6,-12)(-6,-4)(-4,-10)(-2,-4)(-2,-12)
(-10,2)(-10,6)(-8,10)(-6,6)(-6,2)
(-16,6)(-12,6)
(14,-8)(16,-12)
(-4,2)(-4,10)(0,10)(0,6)(-4,6)
(-18,-12)(-14,-12)(-14,-8)(-18,-8)(-18,-4)(-14,-4)
(8,10)(10,6)(12,10)

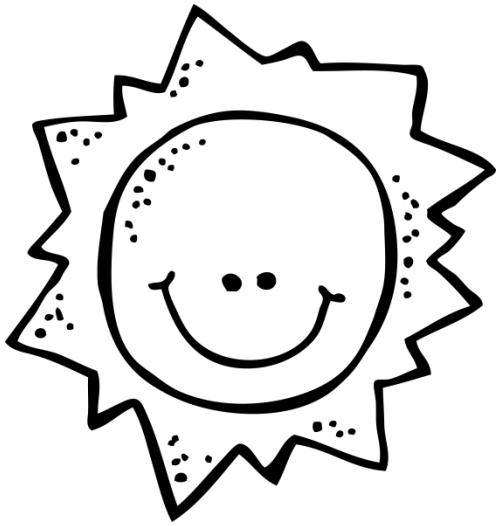
(12,-12)(12,-4)(16,-4)(16,-8)(12,-8)
(2,2)(2,10)(6,10)(6,6)(2,6)
(-10,6)(-6,6)
(10,6)(10,2)
(-12,2)(-12,10)
(-12,-4)(-12,-12)(-8,-12)(-8,-4)
(6,-8)(8,-8)

#30

Classify 2-D Figures

Directions: Circle the classifications that describe each shape.

1. A rectangle
   Polygon OR Trapezoid



2. Rhombus
   circle OR Quadrilateral

3. Trapezoid
   Rhombus OR Quadrilateral

4. Rhombus
   Parallelogram OR Square

5. Square
   Rectangle OR Trapezoid

6. Rectangle
   Square OR Parallelogram

7. Square
   Rhombus OR Trapezoid

8. Parallelogram
   2 sets of parallel sides OR equal sides

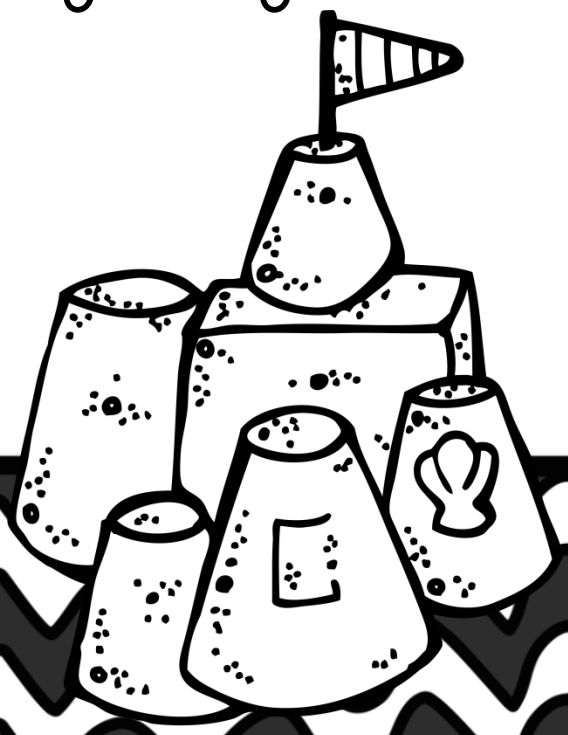
9. Trapezoid
   2 sets of parallel sides OR 1 set of parallel sides

10. Rhombus
    2 right angles OR no right angles

Certificate of Completion

Has completed the 2016 Summer Math Packet for entering 6th graders.

Congrats!



The following pages are the answer keys to the summer math packet Days 1 through 30.

Correct answers are in red.

#1

Addition Squares

Directions: Add up each row, column and diagonal in the grids and place the sums in the boxes on the sides and bottoms.

9	2	4	15
3	7	8	18
6	1	5	12
18	10	17	21

2	3	8	13
6	9	4	19
5	7	1	13
13	19	13	12

5	6	7	18
3	9	4	16
1	8	2	11
9	23	13	16

1	5	6	12
7	8	9	24
3	2	4	9
11	15	19	13

8	1	6	15
7	2	4	13
5	9	3	17
20	12	13	13

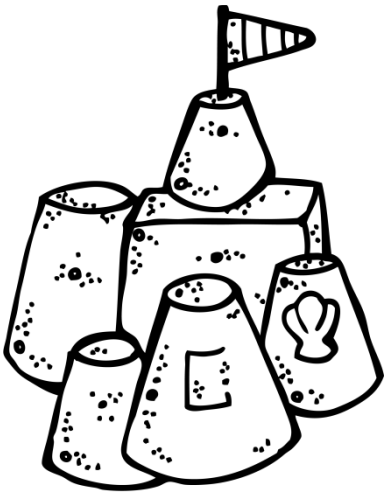
#2

Addition Squares

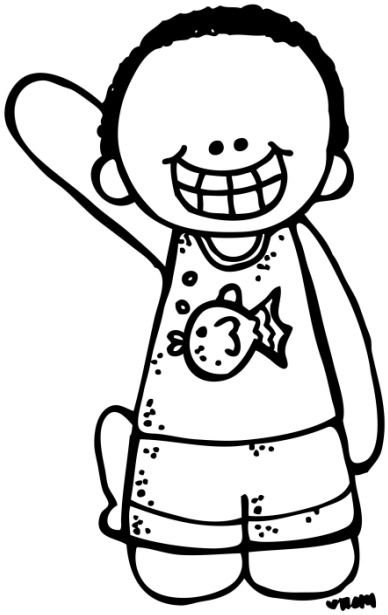
Directions: Each row, column and diagonal add up to the values shown. Fill in the rest of the grid of numbers.

6	8	3	17
1	9	5	15
4	7	2	13
11	24	10	17

4	9	8	21
3	1	6	10
2	7	5	14
9	17	19	10



7	1	4	12
5	9	3	17
6	8	2	16
18	18	9	18



7	2	9	18
5	4	3	12
6	1	8	15
18	7	20	19

3	7	2	12
5	8	4	17
6	9	1	16
14	24	7	12

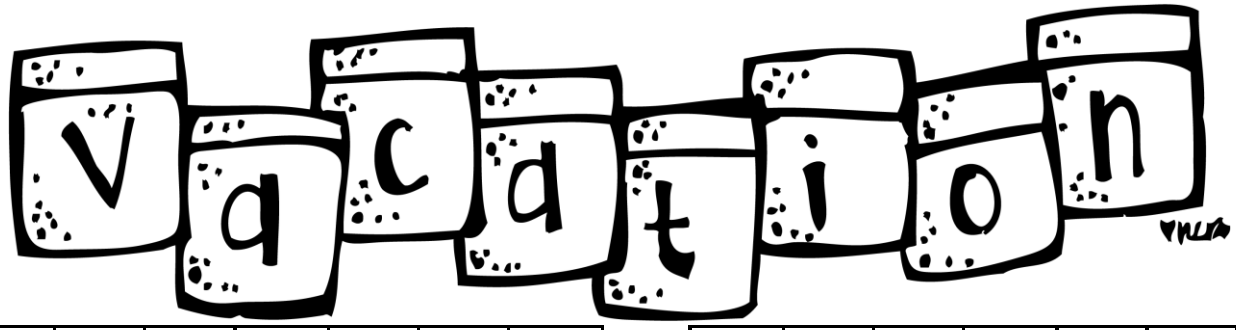
#3

Equation Squares

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

2	+	4	-	6	=	-1
-		÷		+		
3	x	2	-	7	=	-1
x		-		-		
9	+	8	x	5	=	49
=		=		=		
-26		-6		8		

6	÷	1	+	7	=	13
÷		+		x		
2	-	3	–	8	=	-9
-		x		÷		
9	-	5	-	4	=	0
=		=		=		
-6		16		14		



4	+	7	÷	1	=	11
÷		+		x		
2	-	3	x	8	=	-22
x		-		-		
6	-	9	x	5	=	-39
=		=		=		
12		34		40		

5	x	6	+	8	=	38
x		÷		÷		
7	x	3	+	4	=	25
x		-		-		
2	x	1	+	9	=	11
=		=		=		
70		1		-7		

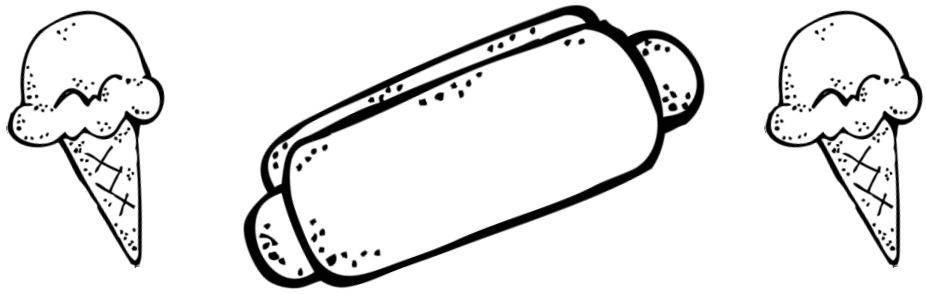
#4

Equation Squares

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

9	+	8	-	7	=	10
-		-		x		
2	x	5	-	6	=	60
÷		x		÷		
1	-	4	+	3	=	0
=		=		=		
7		-12		14		

4	÷	1	+	3	=	7
x		x		-		
5	x	2	+	7	=	17
+		+		+		
8	-	9	x	6	=	-46
=		=		=		
28		11		2		



6	+	4	x	8	=	38
x		÷		+		
5	x	2	x	9	=	90
÷		x		+		
1	+	3	+	7	=	11
=		=		=		
30		6		24		

8	÷	4	+	2	=	4
x		÷		-		
7	÷	1	-	3	=	4
+		+		-		
5	-	6	+	9	=	8
=		=		=		
61		10		-10		

#5

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!

0.18	2.54	9.12	16.27	22.3
0.5	4.75	9.9	18.00	23.23
0.66	5.79	FREE SPACE	19.12	24.63
1.54	8.11	14.14	20.63	25.27
1.99	9.02	15.76	21.9	29.11

1. 1.23 + 4.56 = 5.79

2. 7.89 + 1.23 = 9.12

3. 0.22 + 0.44 = 0.66

4. 11.2 + 4.56 = 15.76

5. 20.03 + 4.6 = 24.63

6. 0.03 + 0.15 = 0.18

7. 9.09 + 5.05 = 14.14

8. 0.88 + 0.66 = 1.54

9. 22.2 + 3.07 = 25.27

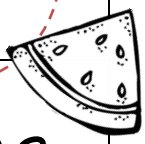
10. 8.34 + 1.56 = 9.9

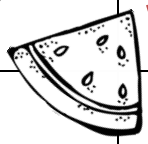
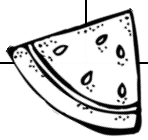
#6

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 = 3.1

2. 0.11 + 8.8 = 8.91

3. 0.33 + 1.66 = 1.99

4. 0.3 + 0.2 = 0.5

5. 7.07 + 4.04 = 11.11

6. 0.3 - 0.15 = 0.15

7. 29.09 - 6.5 = 22.59

8. 30.88 - 6.77 = 24.11

9. 24.2 – 6.36 = 17.84

10. 23.45 – 1.16 = 22.29

#7

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

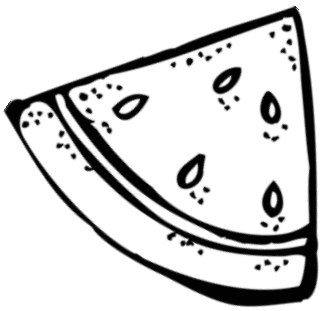
4.8	0.9	0.6	3.9
1.5	3.0	3.3	2.4
2.7	1.8	2.1	3.6
1.2	4.5	4.2	0.3

The magic number is 6.8

0.8	1.8	1.0	3.2
3.0	1.2	2.0	0.6
2.8	1.4	2.2	0.4
0.2	2.4	1.6	2.6

The magic number is 20.4

7.8	4.8	7.2	0.6
1.2	6.6	4.2	8.4
1.8	6.0	3.6	9.0
9.6	3.0	5.4	2.4

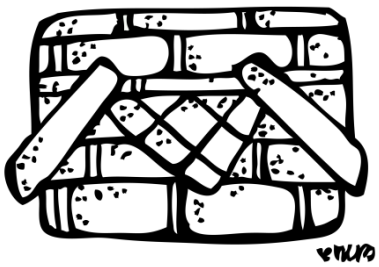


The magic number is 3.4

0.4	0.9	0.5	1.6
1.5	0.6	1.0	0.3
1.4	0.7	1.1	0.2
0.1	1.2	0.8	1.3

The magic number is 13.6

5.2	3.2	4.8	0.4
0.8	4.4	2.8	5.6
1.2	4.0	2.4	6.0
6.4	2.0	3.6	1.6



The magic number is 13.6

6.4	1.2	0.8	5.2
2.0	4.0	4.4	3.2
3.6	2.4	2.8	4.8
1.6	6.0	5.6	0.4

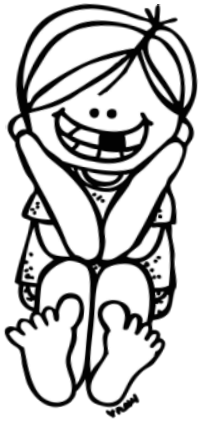
#8

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 6.5

1.1	1.0	0.4	2.3	1.7
1.8	1.2	0.6	0.5	2.4
2.5	1.9	1.3	0.7	0.1
0.2	2.1	2.0	1.4	0.8
0.9	0.3	2.2	1.6	1.5

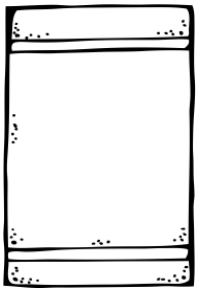


The magic number is 39.0

10.2	14.4	0.6	4.8	9.0
13.8	3.0	4.2	8.4	9.6
2.4	3.6	7.8	12.0	13.2
6.0	7.2	11.4	12.6	1.8
6.6	10.8	15.0	1.2	5.4

The magic number is 19.5

2.7	0.6	7.5	5.4	3.3
0.9	6.3	5.7	3.6	3.0
6.6	6.0	3.9	1.8	1.2
4.8	4.2	2.1	1.5	6.9
4.5	2.4	0.3	7.2	5.1



The magic number is 6.5

1.7	2.4	0.1	0.8	1.5
2.3	0.5	0.7	1.4	1.6
0.4	0.6	1.3	2.0	2.2
1.0	1.2	1.9	2.1	0.3
1.1	1.8	2.5	0.2	0.9

The magic number is 26.0

6.0	6.4	8.8	1.2	3.6
3.2	5.6	8.0	8.4	0.8
0.4	2.8	5.2	7.6	10.0
9.6	2.0	2.4	4.8	7.2
6.8	9.2	1.6	4.0	4.4

The magic number is 13.0

2.2	2.0	0.8	4.6	3.4
3.6	2.4	1.2	1.0	4.8
5.0	3.8	2.6	1.4	0.2
0.4	4.2	4.0	2.8	1.6
1.8	0.6	4.4	3.2	3.0

#9

Fractions Maze

Directions: Find your way from the top to the beach (bottom) by following the path of correct answers. You can only exit a cell if the number matches the answer to the problem.

$\frac{5}{13} > \frac{8}{13}$	$\frac{8}{10} < \frac{7}{10}$	$\frac{1}{7} > \frac{1}{3}$	$\frac{3}{12} > \frac{5}{12}$	$\frac{9}{14} < \frac{9}{18}$	$\frac{2}{7} > \frac{2}{11}$	$\frac{2}{12} > \frac{2}{6}$	$\frac{5}{18} > \frac{5}{16}$	$\frac{10}{18} > \frac{13}{18}$
$\frac{11}{19} < \frac{10}{19}$	$\frac{5}{8} < \frac{5}{13}$	$\frac{2}{16} > \frac{2}{14}$	$\frac{5}{9} > \frac{7}{9}$	$\frac{2}{12} > \frac{2}{4}$	$\frac{1}{12} < \frac{8}{12}$	$\frac{15}{17} < \frac{4}{17}$	$\frac{8}{11} < \frac{8}{12}$	$\frac{4}{16} > \frac{4}{15}$
$\frac{5}{13} > \frac{12}{13}$	$\frac{7}{12} < \frac{3}{12}$	$\frac{4}{8} < \frac{4}{14}$	$\frac{1}{4} < \frac{1}{9}$	$\frac{4}{19} > \frac{4}{10}$	$\frac{1}{8} < \frac{1}{5}$	$\frac{4}{5} < \frac{4}{17}$	$\frac{1}{3} < \frac{1}{16}$	$\frac{4}{8} > \frac{5}{8}$
$\frac{7}{19} < \frac{2}{19}$	$\frac{5}{20} > \frac{5}{11}$	$\frac{1}{4} < \frac{1}{6}$	$\frac{2}{13} < \frac{2}{16}$	$\frac{1}{4} > \frac{1}{3}$	$\frac{3}{11} < \frac{5}{11}$	$\frac{5}{10} < \frac{9}{10}$	$\frac{7}{13} > \frac{4}{13}$	$\frac{3}{7} > \frac{6}{7}$
$\frac{1}{5} > \frac{3}{5}$	$\frac{1}{15} > \frac{1}{6}$	$\frac{9}{14} < \frac{6}{14}$	$\frac{3}{19} > \frac{3}{11}$	$\frac{6}{13} < \frac{6}{18}$	$\frac{5}{13} > \frac{5}{10}$	$\frac{4}{5} < \frac{4}{9}$	$\frac{8}{12} > \frac{5}{12}$	$\frac{1}{11} > \frac{1}{8}$
$\frac{12}{16} < \frac{11}{16}$	$\frac{12}{16} > \frac{12}{13}$	$\frac{7}{19} < \frac{4}{19}$	$\frac{3}{15} > \frac{3}{12}$	$\frac{1}{4} < \frac{1}{10}$	$\frac{2}{14} > \frac{2}{3}$	$\frac{1}{4} < \frac{2}{4}$	$\frac{5}{9} < \frac{5}{6}$	$\frac{7}{20} > \frac{19}{20}$
$\frac{6}{9} > \frac{3}{9}$	$\frac{5}{12} < \frac{7}{12}$	$\frac{8}{18} < \frac{8}{14}$	$\frac{4}{7} > \frac{4}{11}$	$\frac{3}{4} < \frac{1}{4}$	$\frac{3}{9} > \frac{3}{5}$	$\frac{7}{12} > \frac{7}{15}$	$\frac{6}{19} > \frac{17}{19}$	$\frac{3}{13} > \frac{3}{7}$
$\frac{7}{17} < \frac{11}{17}$	$\frac{1}{14} > \frac{4}{14}$	$\frac{13}{17} < \frac{7}{17}$	$\frac{1}{16} < \frac{11}{16}$	$\frac{4}{11} < \frac{4}{19}$	$\frac{2}{3} < \frac{2}{13}$	$\frac{7}{11} > \frac{7}{14}$	$\frac{4}{10} < \frac{7}{10}$	$\frac{1}{4} < \frac{1}{7}$
$\frac{5}{8} < \frac{5}{6}$	$\frac{1}{14} > \frac{1}{4}$	$\frac{2}{14} < \frac{2}{17}$	$\frac{1}{5} > \frac{1}{11}$	$\frac{5}{11} > \frac{8}{11}$	$\frac{4}{17} > \frac{13}{17}$	$\frac{11}{18} < \frac{11}{20}$	$\frac{2}{5} < \frac{4}{5}$	$\frac{13}{14} < \frac{2}{14}$
$\frac{1}{10} < \frac{7}{10}$	$\frac{6}{13} > \frac{6}{14}$	$\frac{3}{18} > \frac{3}{5}$	$\frac{15}{18} > \frac{2}{18}$	$\frac{2}{17} < \frac{2}{6}$	$\frac{3}{13} < \frac{3}{4}$	$\frac{6}{9} > \frac{6}{19}$	$\frac{14}{15} > \frac{1}{15}$	$\frac{2}{15} > \frac{2}{8}$
$\frac{10}{20} < \frac{2}{20}$	$\frac{2}{15} < \frac{2}{8}$	$\frac{11}{14} < \frac{1}{14}$	$\frac{2}{18} > \frac{4}{18}$	$\frac{2}{13} < \frac{2}{16}$	$\frac{8}{10} < \frac{7}{10}$	$\frac{16}{17} < \frac{5}{17}$	$\frac{8}{9} < \frac{7}{9}$	$\frac{1}{7} > \frac{5}{7}$
$\frac{2}{4} < \frac{2}{7}$	$\frac{5}{19} < \frac{5}{14}$	$\frac{12}{17} > \frac{12}{18}$	$\frac{6}{7} > \frac{1}{7}$	$\frac{5}{9} > \frac{5}{10}$	$\frac{3}{6} < \frac{3}{9}$	$\frac{6}{14} > \frac{6}{8}$	$\frac{5}{18} > \frac{5}{9}$	$\frac{1}{3} < \frac{1}{20}$
$\frac{6}{17} > \frac{6}{13}$	$\frac{5}{12} < \frac{5}{13}$	$\frac{9}{10} < \frac{6}{10}$	$\frac{3}{17} > \frac{3}{4}$	$\frac{4}{5} > \frac{4}{13}$	$\frac{1}{5} < \frac{1}{10}$	$\frac{2}{4} > \frac{3}{4}$	$\frac{6}{15} > \frac{9}{15}$	$\frac{9}{17} > \frac{15}{17}$
$\frac{10}{18} > \frac{10}{14}$	$\frac{1}{3} < \frac{1}{9}$	$\frac{1}{10} < \frac{1}{15}$	$\frac{8}{12} > \frac{6}{12}$	$\frac{6}{19} < \frac{6}{7}$	$\frac{1}{6} < \frac{1}{10}$	$\frac{1}{3} > \frac{2}{3}$	$\frac{4}{16} < \frac{4}{20}$	$\frac{6}{14} > \frac{11}{14}$
$\frac{1}{13} > \frac{3}{13}$	$\frac{4}{7} < \frac{2}{7}$	$\frac{10}{17} > \frac{13}{17}$	$\frac{6}{7} > \frac{6}{16}$	$\frac{3}{13} > \frac{11}{13}$	$\frac{2}{3} < \frac{2}{13}$	$\frac{3}{5} < \frac{2}{5}$	$\frac{10}{12} < \frac{8}{12}$	$\frac{6}{13} > \frac{6}{7}$

#10

Fractions Maze

Directions: Find your way from the top to the surfboard (bottom) by following the path of correct answers. You can only exit a cell if the number matches the answer to the problem.

$\frac{13}{20} < \frac{1}{2}$	$\frac{7}{18} > \frac{7}{12}$	$\frac{17}{24} < \frac{1}{2}$	$\frac{8}{13} > \frac{29}{45}$	$\frac{3}{41} > \frac{2}{7}$	$\frac{16}{17} > \frac{20}{49}$	$\frac{41}{46} < \frac{3}{4}$	$\frac{25}{46} < \frac{11}{43}$	$\frac{1}{2} < \frac{2}{13}$
$\frac{31}{40} > \frac{7}{13}$	$\frac{2}{3} > \frac{1}{5}$	$\frac{1}{3} < \frac{7}{11}$	$\frac{5}{14} < \frac{2}{7}$	$\frac{4}{9} < \frac{11}{34}$	$\frac{33}{37} > \frac{15}{23}$	$\frac{1}{2} > \frac{5}{12}$	$\frac{43}{45} < \frac{20}{33}$	$\frac{1}{2} > \frac{2}{3}$
$\frac{13}{32} > \frac{6}{23}$	$\frac{9}{43} > \frac{11}{49}$	$\frac{5}{6} > \frac{7}{19}$	$\frac{2}{3} > \frac{2}{9}$	$\frac{3}{44} > \frac{1}{3}$	$\frac{10}{23} > \frac{3}{5}$	$\frac{7}{9} > \frac{1}{2}$	$\frac{28}{43} > \frac{7}{12}$	$\frac{3}{11} > \frac{21}{41}$
$\frac{7}{12} > \frac{12}{35}$	$\frac{1}{2} < \frac{1}{3}$	$\frac{1}{7} > \frac{2}{3}$	$\frac{1}{7} < \frac{38}{41}$	$\frac{1}{3} > \frac{10}{31}$	$\frac{7}{8} < \frac{10}{17}$	$\frac{1}{2} < \frac{5}{14}$	$\frac{31}{37} > \frac{7}{10}$	$\frac{34}{39} < \frac{1}{7}$
$\frac{10}{27} < \frac{5}{13}$	$\frac{4}{11} > \frac{1}{7}$	$\frac{3}{4} < \frac{2}{11}$	$\frac{9}{22} < \frac{11}{27}$	$\frac{19}{21} > \frac{3}{38}$	$\frac{25}{37} > \frac{5}{17}$	$\frac{9}{10} > \frac{5}{9}$	$\frac{25}{38} < \frac{36}{47}$	$\frac{5}{14} > \frac{6}{7}$
$\frac{23}{45} > \frac{36}{47}$	$\frac{28}{29} > \frac{29}{41}$	$\frac{1}{21} < \frac{20}{49}$	$\frac{13}{14} < \frac{14}{23}$	$\frac{1}{10} > \frac{33}{49}$	$\frac{13}{14} < \frac{3}{4}$	$\frac{6}{7} > \frac{8}{9}$	$\frac{1}{2} < \frac{19}{44}$	$\frac{5}{14} < \frac{1}{5}$
$\frac{5}{18} > \frac{1}{2}$	$\frac{17}{27} < \frac{20}{33}$	$\frac{13}{27} < \frac{31}{35}$	$\frac{34}{47} < \frac{11}{14}$	$\frac{17}{18} < \frac{28}{41}$	$\frac{1}{4} < \frac{11}{29}$	$\frac{1}{2} > \frac{2}{15}$	$\frac{8}{17} > \frac{6}{13}$	$\frac{19}{28} > \frac{3}{23}$
$\frac{1}{5} > \frac{16}{47}$	$\frac{1}{19} > \frac{22}{25}$	$\frac{13}{17} < \frac{31}{43}$	$\frac{16}{25} > \frac{1}{5}$	$\frac{10}{13} > \frac{8}{31}$	$\frac{3}{5} > \frac{6}{17}$	$\frac{3}{13} > \frac{30}{41}$	$\frac{5}{8} > \frac{5}{6}$	$\frac{1}{3} > \frac{3}{34}$
$\frac{31}{48} < \frac{3}{5}$	$\frac{9}{10} < \frac{11}{17}$	$\frac{34}{47} < \frac{5}{8}$	$\frac{1}{2} < \frac{3}{10}$	$\frac{16}{45} < \frac{3}{13}$	$\frac{5}{6} > \frac{31}{33}$	$\frac{26}{45} < \frac{6}{11}$	$\frac{3}{5} > \frac{41}{48}$	$\frac{2}{3} > \frac{7}{27}$
$\frac{2}{13} > \frac{13}{25}$	$\frac{1}{3} > \frac{11}{19}$	$\frac{10}{17} < \frac{1}{2}$	$\frac{1}{2} < \frac{5}{36}$	$\frac{6}{7} < \frac{2}{7}$	$\frac{19}{25} < \frac{2}{3}$	$\frac{4}{7} > \frac{5}{6}$	$\frac{10}{23} < \frac{8}{19}$	$\frac{7}{11} > \frac{2}{17}$
$\frac{25}{44} > \frac{2}{3}$	$\frac{13}{17} > \frac{19}{21}$	$\frac{7}{15} > \frac{1}{2}$	$\frac{1}{4} > \frac{6}{13}$	$\frac{1}{2} > \frac{32}{47}$	$\frac{5}{9} > \frac{25}{44}$	$\frac{4}{21} < \frac{11}{34}$	$\frac{11}{49} > \frac{1}{11}$	$\frac{9}{20} > \frac{3}{23}$
$\frac{4}{5} < \frac{4}{19}$	$\frac{31}{35} < \frac{7}{17}$	$\frac{6}{17} < \frac{10}{41}$	$\frac{1}{2} > \frac{40}{41}$	$\frac{7}{31} > \frac{1}{3}$	$\frac{1}{8} > \frac{9}{10}$	$\frac{1}{32} < \frac{17}{23}$	$\frac{15}{44} < \frac{1}{3}$	$\frac{12}{49} < \frac{7}{29}$
$\frac{4}{5} < \frac{6}{17}$	$\frac{1}{5} > \frac{3}{4}$	$\frac{9}{22} > \frac{2}{7}$	$\frac{11}{26} < \frac{37}{48}$	$\frac{22}{23} > \frac{4}{21}$	$\frac{1}{2} > \frac{7}{39}$	$\frac{7}{12} > \frac{1}{7}$	$\frac{1}{2} > \frac{5}{7}$	$\frac{1}{2} > \frac{23}{26}$
$\frac{17}{31} > \frac{26}{35}$	$\frac{1}{2} > \frac{31}{34}$	$\frac{2}{7} < \frac{1}{2}$	$\frac{23}{35} > \frac{19}{20}$	$\frac{3}{5} < \frac{1}{2}$	$\frac{18}{29} > \frac{13}{17}$	$\frac{6}{13} > \frac{11}{14}$	$\frac{11}{14} < \frac{17}{35}$	$\frac{6}{7} < \frac{13}{22}$
$\frac{3}{4} > \frac{24}{29}$	$\frac{4}{13} < \frac{1}{4}$	$\frac{1}{3} = \frac{1}{3}$	$\frac{22}{29} < \frac{2}{9}$	$\frac{29}{46} > \frac{8}{11}$	$\frac{13}{20} < \frac{1}{5}$	$\frac{1}{3} > \frac{17}{48}$	$\frac{23}{35} > \frac{4}{5}$	$\frac{16}{17} < \frac{9}{16}$

#11

Fraction BINGO!

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

1/10	2/10	4/12	6/27	21/23
1/9	2/9	4/19	8/11	22/23
1/8	2/5	FREE SPACE	9/12	8/9
1/7	3/8	4/25	10/63	14/15
1/6	3/5	5/6	11/19	1

1. 2/10 + 1/5 = 2/5

2. 7/9 + 1/9 = 8/9

3. 0/2 + 2/2 = 1

4. 1/12 + 4/6 = 9/12

5. 2/3 + 1/6 = 5/6

6. 3/19 + 1/19 = 4/19

7. 9/23 + 12/23 = 21/23

8. 2/12 + 4/24 = 4/12

9. 1/20 + 1/20 = 1/10

10. 1/16 + 1/16 = 1/8

#12

Fraction BINGO!

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

0	3/9	5/9	5/25	11/15
2/9	4/7	5/18	5/11	14/15
2/6	4/8	FREE SPACE	5/30	1
2/12	4/14	5/10	5/21	7/5
2/3	4/16	5/15	5/6	9/8

1. 1/7 + 3/7 = 4/7

2. 3/11 + 8/11 = 1

3. 3/6 + 1/6 = 2/3

4. 4/6 + 2/12 = 5/6

5. 7/15 + 4/15 = 11/15

6. 13/14 – 9/14 = 4/14

7. 20/9 – 18/9 = 2/9

8. 11/18 – 1/3 = 5/18

9. 2/24 – 1/12 = 0

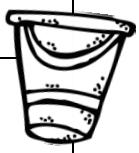
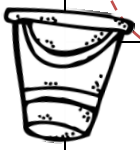
10. 23/11 – 18/11 = 5/11

#13

Fraction BINGO!

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

0	3/5	4/7	6/7	8/21
1/3	3/10	5/7	6/13	2/23
1/4	1/20	FREE SPACE	12/13	5/6
2/5	1/2	5/11	2/3	7/5
2/7	1/5	6/11	3/4	11/12

1. 3/7 + 1/7 = 2/7

2. 8/11 - 3/11 = 5/11

3. 3/6 - 1/6 = 1/3

4. 2/5 - 4/10 = 0

5. 9/10 – 3/5 = 3/10

6. 12/12 – 2/12 = 5/6

7. 7/4 – 4/4 = 3/4

8. 27/3 – 25/3 = 2/3

9. 20/2 – 19/2 = 1/2

10. 13/12 – 1/6 = 11/12

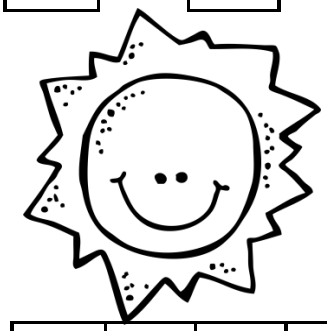
#14

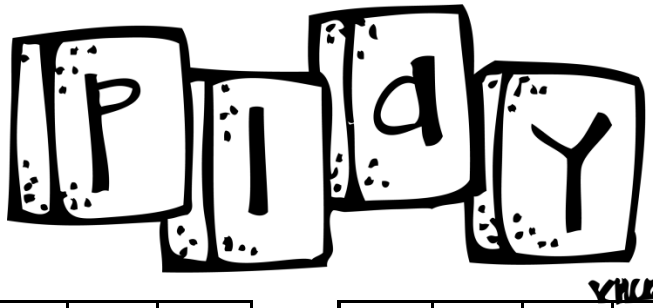
Fraction Squares

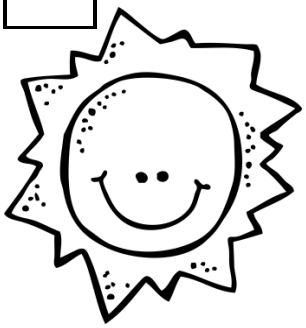
Directions: Each row, column and diagonal multiply or divide up to the values shown. Fill in the rest of the grid of numbers.

2/3	x	2/3	x	2/3	=	8/27
÷		÷		÷		
1/3	x	1	x	1/3	=	1/9
÷		÷		÷		
1	x	1/3	x	1	=	1/3
=		=		=		
6/3		6/3		6/3		

1/4	x	1/4	x	1/4	=	1/32
÷		÷		÷		
2/4	x	1	x	2/4	=	4/8
÷		÷		÷		
1	x	2/4	x	1	=	2/4
=		=		=		
4/8		4/8		4/8		







2/5	x	3/5	x	1/2	=	6/50
÷		÷		÷		
1/5	x	1	x	1/5	=	1/25
÷		÷		÷		
1	x	1/2	x	1	=	1/2
=		=		=		
10/5		6/5		5/2		

1/6	x	3/6	x	2/3	=	6/108
÷		÷		÷		
2/6	x	1	x	2/3	=	4/18
÷		÷		÷		
1	x	2/6	x	1	=	2/6
=		=		=		
6/12		18/12		6/6		

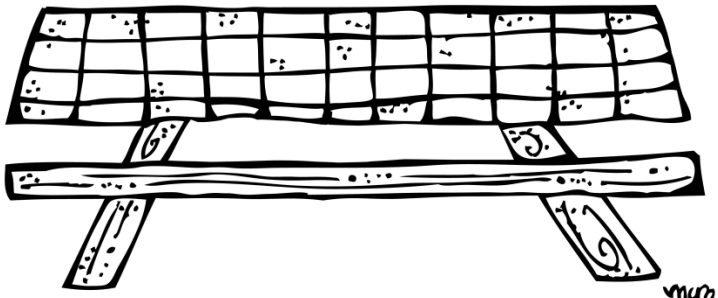
#15

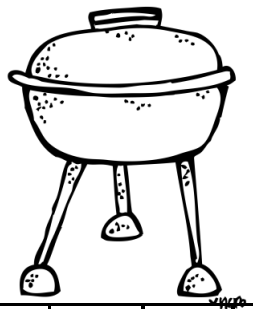
Fraction Squares

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

2/3	x	2/4	x	2/5	=	8/60
÷		÷		÷		
1/4	x	1	x	1/4	=	1/4
÷		÷		÷		
1	x	1/5	x	1	=	1/5
=		=		=		
8/3		10/4		8/5		

1/6	x	1/7	x	1/8	=	1/336
÷		÷		÷		
2/7	x	1	x	2/7	=	4/8
÷		÷		÷		
1	x	6/8	x	1	=	2/4
=		=		=		
7/12		8/42		7/16		





2/3	x	1/4	x	5/2	=	10/24
÷		÷		÷		
1/4	x	1	x	1/2	=	1/8
÷		÷		÷		
1	x	1/5	x	1	=	1/5
=		=		=		
8/3		5/4		10/2		

1/8	x	7/6	x	8/1	=	56/48
÷		÷		÷		
2/7	x	1	x	2/6	=	4/42
÷		÷		÷		
1	x	2/8	x	1	=	2/8
=		=		=		
7/16		56/12		48/2		

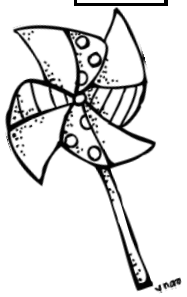
#16

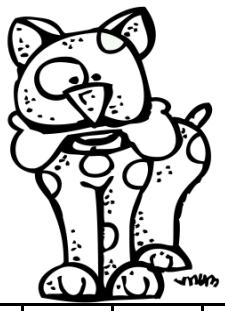
Fraction Squares

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

3/4	x	2/5	x	1/6	=	6/120
÷		÷		÷		
1/5	x	1	x	2/3	=	2/15
÷		÷		÷		
1	x	4/6	x	1	=	4/6
=		=		=		
15/4		12/20		3/12		

1/8	x	2/4	x	3/6	=	6/192
÷		÷		÷		
2/4	x	1	x	1/8	=	2/32
÷		÷		÷		
1	x	3/6	x	1	=	3/6
=		=		=		
4/16		12/12		24/6		





3/3	x	1/3	x	2/3	=	6/27
÷		÷		÷		
1/3	x	1	x	3/3	=	3/9
÷		÷		÷		
1	x	2/3	x	1	=	2/3
=		=		=		
9/3		3/6		6/9		

8/2	x	4/3	x	1/6	=	32/36
÷		÷		÷		
1/6	x	1	x	4/3	=	4/18
÷		÷		÷		
1	x	8/2	x	1	=	8/2
=		=		=		
48/2		8/24		3/24		

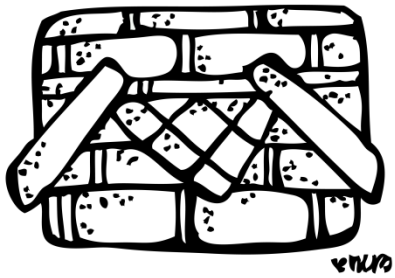
#17

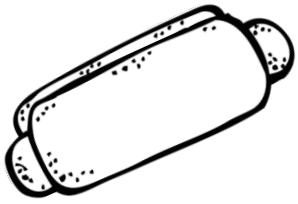
Fraction Squares

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

4/3	x	5/2	x	1/3	=	20/18
÷		÷		÷		
5/2	x	1	x	4/3	=	20/6
÷		÷		÷		
1	x	1/3	x	1	=	1/3
=		=		=		
8/15		15/2		3/12		

1/8	x	4/2	x	6/1	=	24/16
÷		÷		÷		
4/2	x	1	x	1/8	=	4/16
÷		÷		÷		
1	x	6/1	x	1	=	6/1
=		=		=		
2/32		4/12		48/1		





2/3	x	2/3	x	2/3	=	8/27
÷		÷		÷		
1/3	x	1	x	1/3	=	1/9
÷		÷		÷		
1	x	1/3	x	1	=	1/3
=		=		=		
6/3		6/3		6/3		

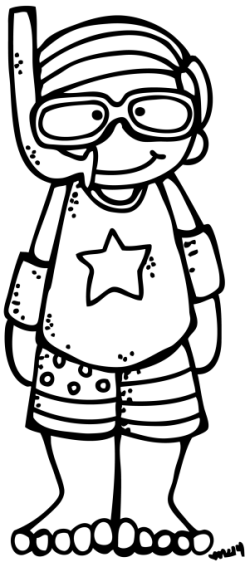
1/4	x	1/4	x	1/4	=	1/32
÷		÷		÷		
2/4	x	1	x	2/4	=	4/8
÷		÷		÷		
1	x	2/4	x	1	=	2/4
=		=		=		
4/8		4/8		4/8		

#18 Place Value Addition Squares

Directions: Add up each row, column and diagonal in the grids and place the sums in the boxes on the sides and bottoms.

9/ 10	2/ 100	4	4.92
3/ 100	7	8/ 10	7.83
6	1/ 10	5/ 100	6.15
6.39	7.12	4.85	7.95

1/ 10	2/ 100	3	3.12
4/ 100	5	6/ 10	5.64
7	8/ 10	9/ 100	7.89
7.14	5.82	3.69	5.19



9/ 10	7/ 100	5	5.97
3/ 100	1	2/ 10	1.23
4	6/ 10	8/ 100	4.68
4.93	1.67	5.28	1.98

2/ 10	4/ 100	6	6.24
8/ 100	9	7/ 10	9.78
5	3/ 10	1/ 100	5.31
5.28	9.34	6.71	9.21

8/ 10	9/ 100	2	2.89
5/ 100	3	1/ 10	3.15
7	4/ 10	6/ 100	7.46
7.85	3.49	2.16	3.86

#19

Place Value Addition Squares

Directions: Add up each row, column and diagonal in the grids and place the sums in the boxes on the sides and bottoms.

7/ 10	5/ 100	3	3.75
1/ 100	2	4/ 10	2.41
6	8/ 10	9/ 100	6.89
6.71	2.85	3.49	2.79

6/ 10	3/ 100	2	2.63
1/ 100	7	5/ 10	7.51
4	9/ 10	8/ 100	4.98
4.61	7.93	2.58	7.68

5/ 10	3/ 100	2	2.53
1/ 100	7	4/ 10	7.41
6	8/ 10	9/ 100	6.89
6.51	7.83	2.49	7.59

4/ 10	6/ 100	8	8.46
9/ 100	7	5/ 10	7.59
3	2/ 10	1/ 100	3.21
3.49	7.26	8.51	7.41

3/ 10	1/ 100	8	8.31
6/ 100	4	2/ 10	4.26
5	7/ 10	9/ 100	5.79
5.36	4.71	8.29	4.39

#20

Choose Your Measurements

Directions: Circle the units that would work best for measuring each object.

1. A hamburger with everything
   grams OR kilograms

2. A rope to play tug-of-war
   millimeters OR meters

3. The distance to the next town
   meters OR kilometers

4. A notecard
   millimeters OR meters

5. A tall palm tree
   Kilometers OR meters

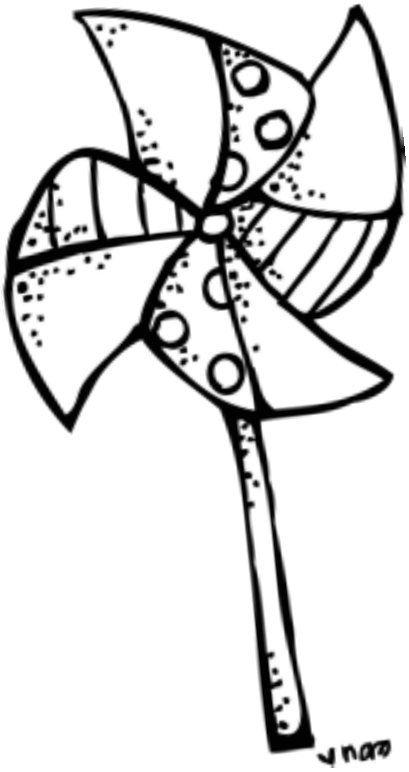
6. A big fish tank
   milliliters OR liters

7. A piece of chalk
   meters OR centimeters

8. The height of the grass outside
   centimeters OR meters

9. How far you can throw a ball
   millimeters OR meters

10. The width of a street
    centimeters OR meters



#21 Choose Your Measurements

Directions: Circle the units that would work best for measuring each object.

11. A loaf of bread
centimeters OR meters

12. The width of your shoe
meters OR centimeters

13. A bar of soap
meters OR millimeters

14. A paperback book
millimeters OR meters

15. A set of encyclopedias
Kilograms OR grams

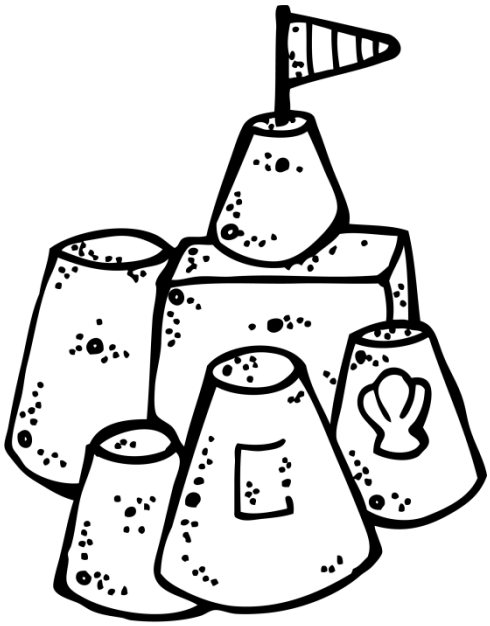
16. The length of your nose
millimeters OR meters

17. The length of your toe
meters OR centimeters

18. The width of a coin
millimeters OR meters

19. The juice squeezed from one orange
milliliters OR liters

20. A butter knife
centimeters OR meters



#22

Choose Your Measurements

Directions: Circle the estimate that would work best for measuring each object.

21. The height of your desk
68 centimeters OR 68 meters

22. The distance to the moon
370,000 m OR 370,000 km

23. The diameter of the Earth
12,766 m OR 12,756 km

24. The length of your nose
4 centimeters OR 4 meters

25. A piece of chalk
4 centimeters OR 4 meters

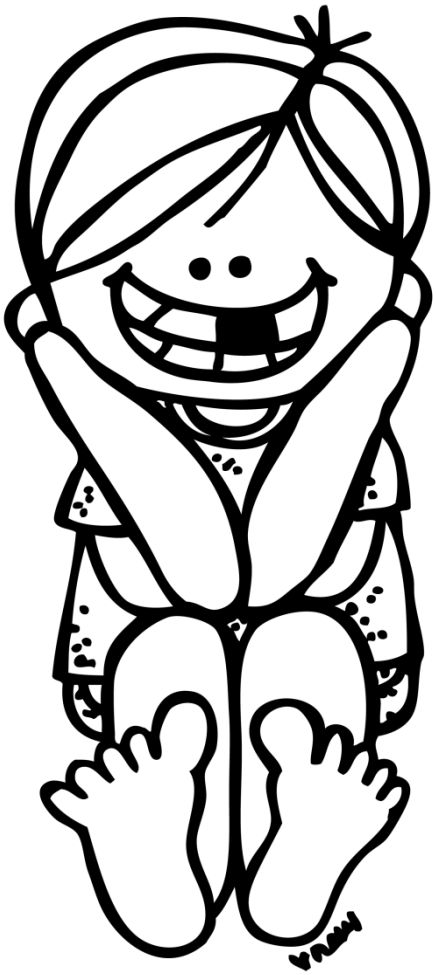
26. A rope to play tug-of-war
10 millimeters OR 10 meters

27. A tall Palm tree
12 meters OR 12 centimeters

28. The water a mouse drinks in one day
19 milliliters OR 19 liters

29. The milk in your breakfast cereal
82 milliliters OR 82 liters

30. The width of a street
10 centimeters OR 10 meters



#23

Interpreting Line Plots

Directions: Write the amount of lemonade(s) the kids drank of the beach.

1. How many kids had one and a half lemonades?

   ___1_____

2. How many kids had one fourth of a lemonade?

   ___4_____

3. How many kids had one and a fourth lemonades?

   ___2_____

4. How many kids had a half of a lemonade?

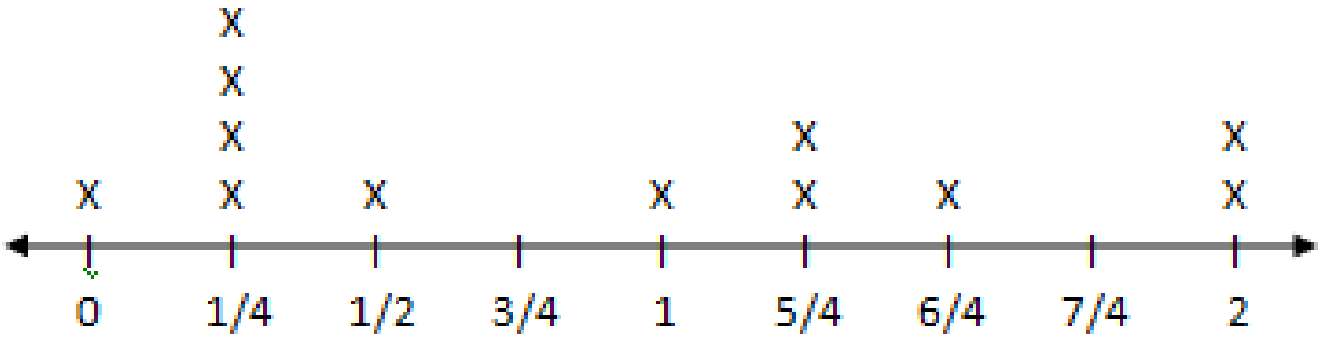
   ___1_____

5. How many kids had one and three fourths lemonades?

   ___0_____

6. How many kids had three fourths of a lemonade?

   ___0_____



How much lemonade each kid drank

#24

Interpreting Line Plots

Directions: Write the amount of lemonade(s) the kids drank of the beach.

1. How many kids had one and a half ice creams?

   ___2_____

2. How many kids had one fourth of an ice cream?

   ___1_____

3. How many kids had one and a fourth ice cream?

   ___1_____

4. How many kids had a half of an ice cream?

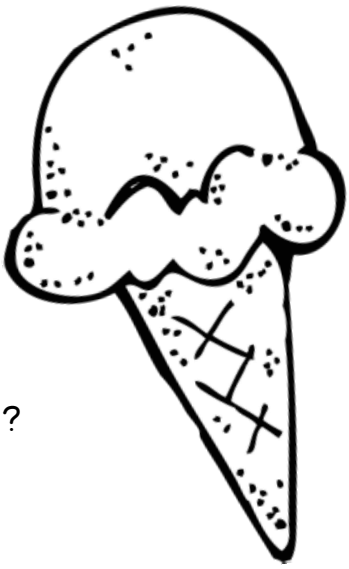
   ___4_____

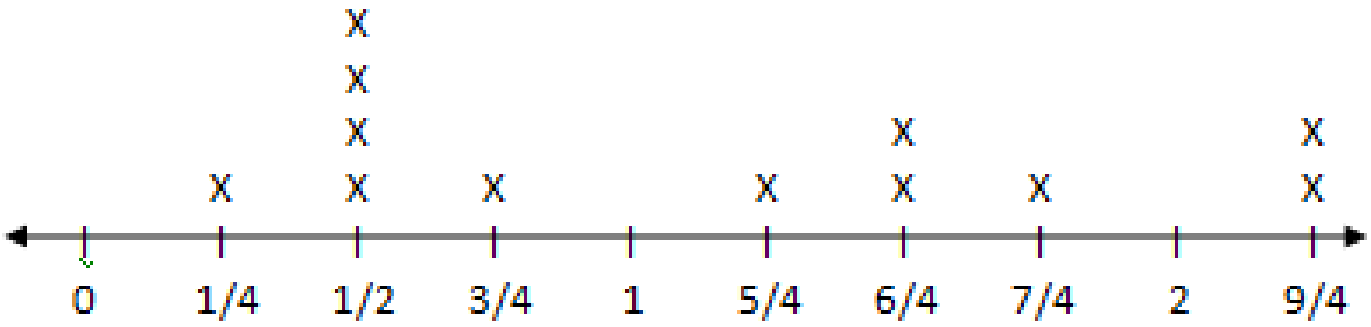
5. How many kids had one and three fourths ice cream?

   ___1_____

6. How many kids had three fourths of an ice cream?

   ___1_____





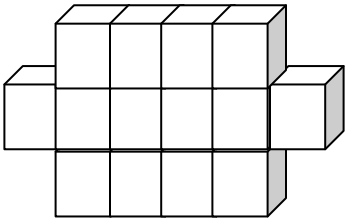
How many ice cream cones each kid ate

#25

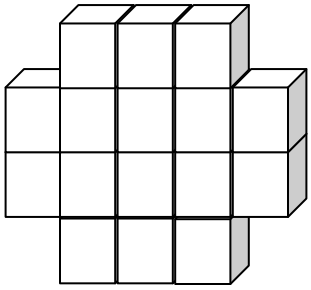
Finding Icy Volume

Directions: Count the cubes to the find the volume of each ice sculpture on the beach. Each cube is 1 cubic feet.

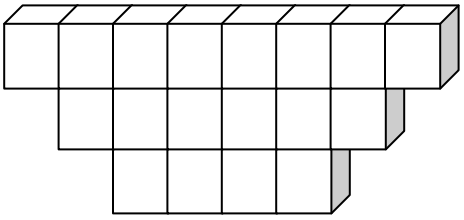
1. 14 cubic feet



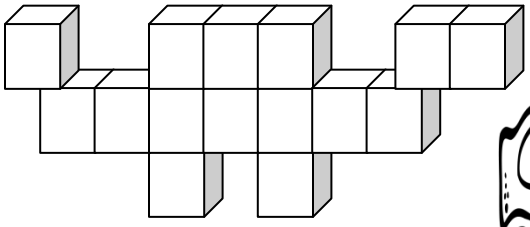
2. 16 cubic feet



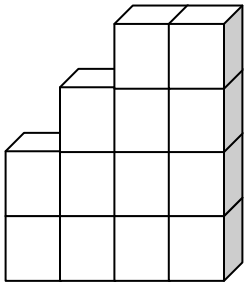
3. 18 cubic feet



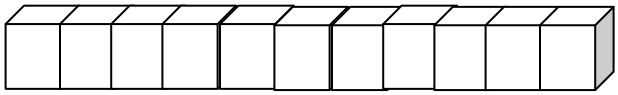
4. 15 cubic feet

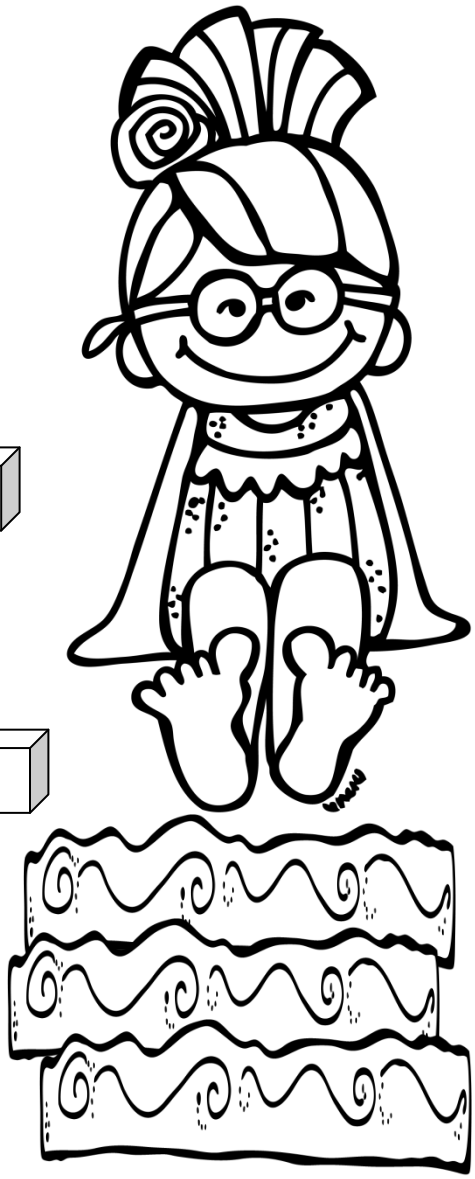


5. 13 cubic feet



6. 11 cubic feet



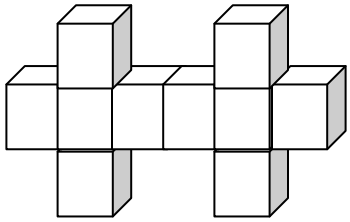


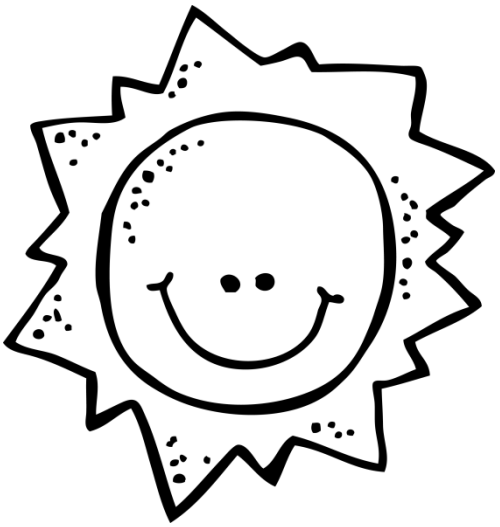
#26

Finding Icy Volume

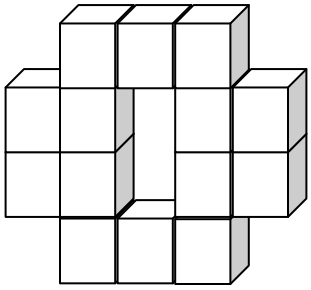
Directions: Count the cubes to the find the volume of each ice sculpture on the beach. Each cube is 1 cubic feet.

7. 10 cubic feet

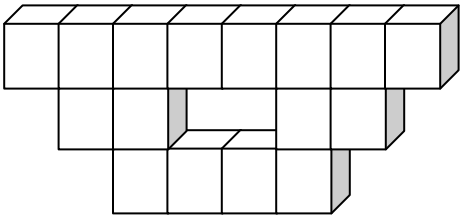




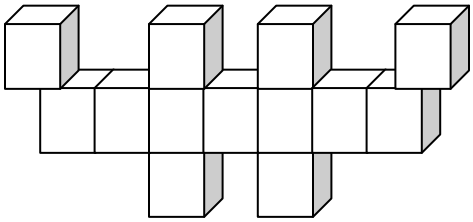
8. 14 cubic feet



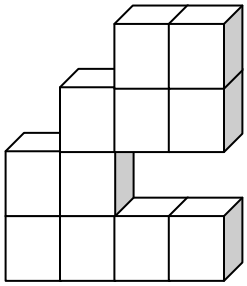
9. 16 cubic feet



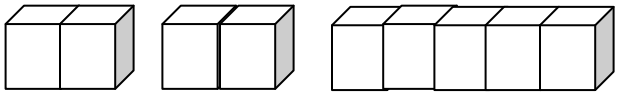
10. 13 cubic feet



11. 11 cubic feet



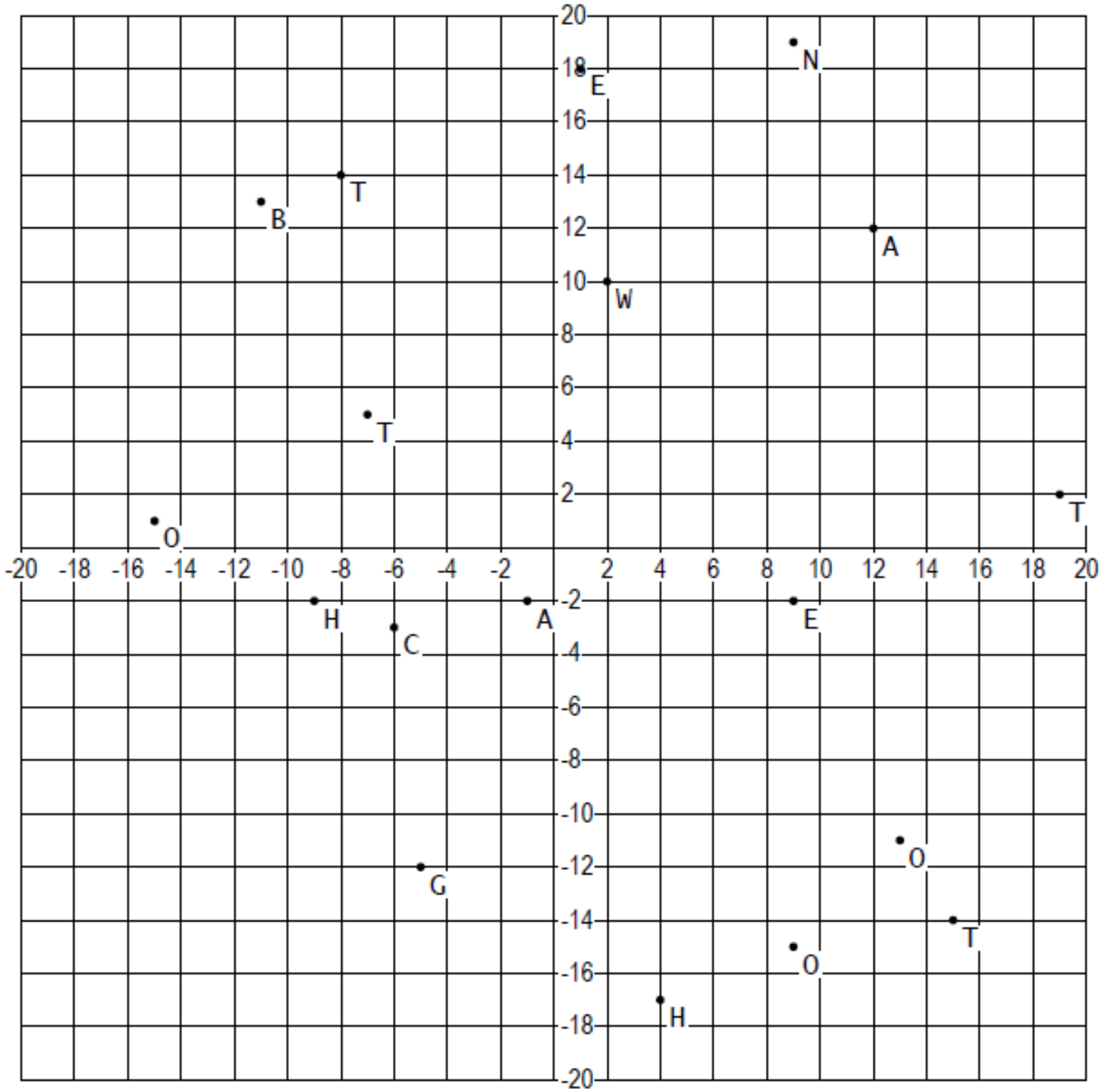
12. 9 cubic feet



#27

Graphing Points

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!

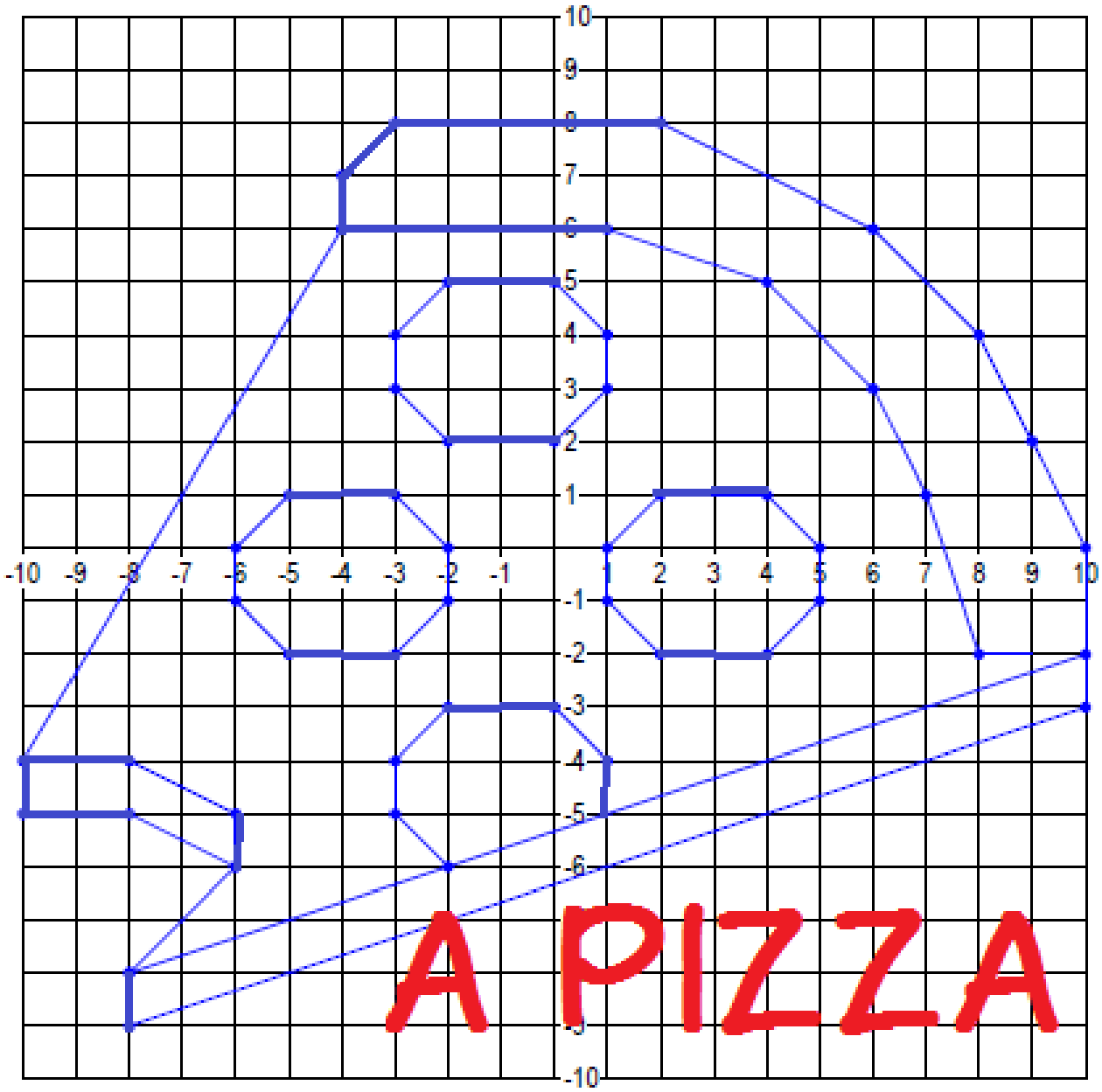


W	A	N	T		T	O		G	O		T	O		T	H	E		B	E	A	C	H	?
(2,10)	(-1,-2)	(9,19)	(19,2)		(-7,5)	(9,-15)		(-5,-12)	(13,-11)		(-8,14)	(-15,1)		(15,-14)	(-9,-2)	(1,18)		(-11,13)	(9,-2)	(12,12)	(-6,-3)	(4,-17)	

#28

Graphing Points

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

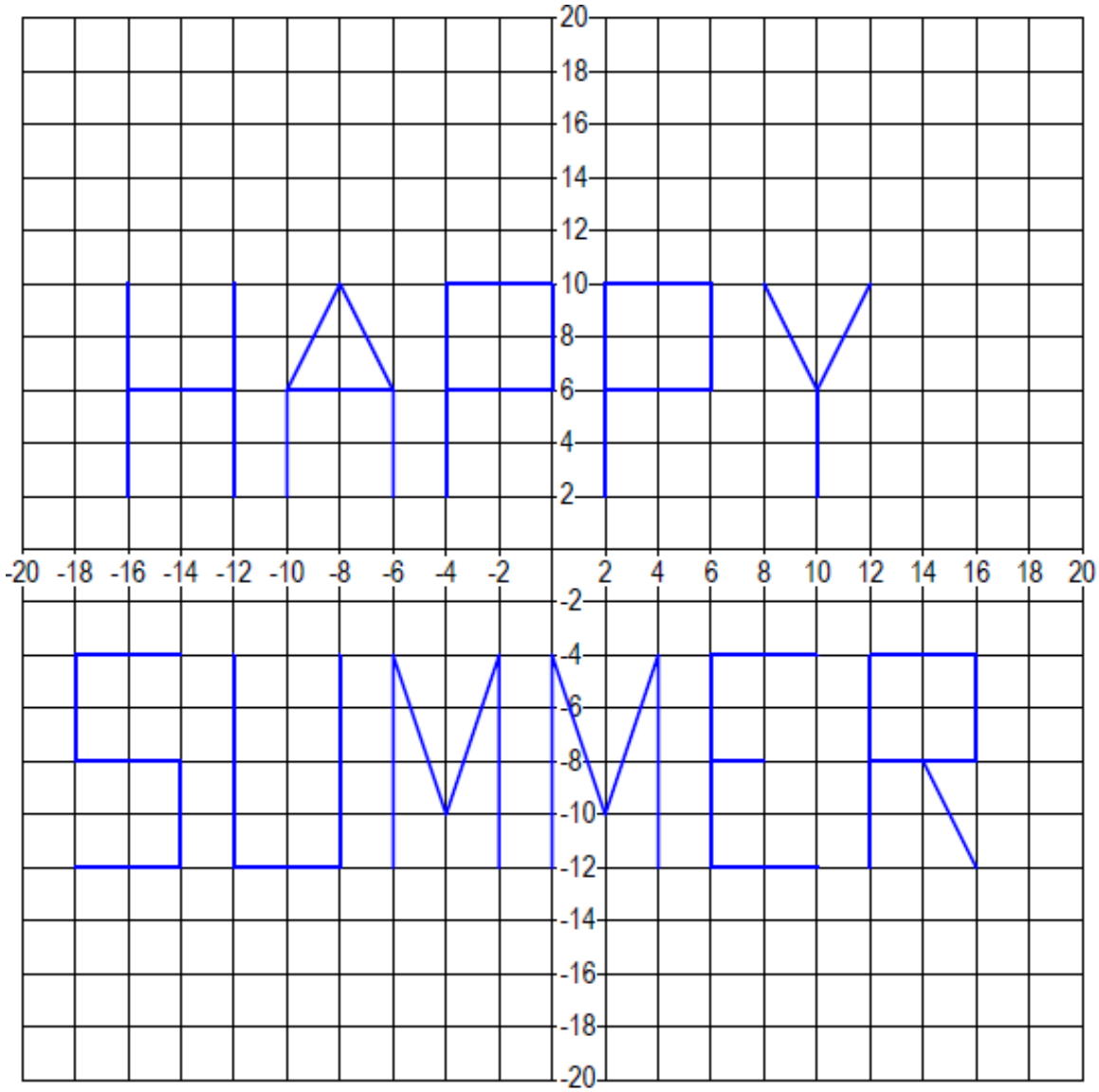


Line 1: (-6,-6), (-8,-5), (-10,-5), (-10,-4)
Line 2: (-4,6), (1,6),(4,5), (6,3), (7,1), (8,-2), (9,-2)
Line 3: (-8,-8), (-8,-9), (10,-3),(10,-2)
Line 4: (-2,-6), (-3,-5), (-3,-4), (-2,-3), (0,-3), (1,-4),(1,-5)
Line 5: (-6,-6), (-6,-5), (-8,-4), (-10,-4), (-4,6), (-4,7),(-3,8), (2,8), (6,6), (8,4), (9,2), (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)

#29

Graphing Points

Directions: Connect each series of points with lines to reveal a secret message.



(0,-12)(0,-4)(2,-10)(4,-4)(4,-12)
(10,-12)(6,-12)(6,-4)(10,-4)
(-16,2)(-16,10)
(-6,-12)(-6,-4)(-4,-10)(-2,-4)(-2,-12)
(-10,2)(-10,6)(-8,10)(-6,6)(-6,2)
(-16,6)(-12,6)
(14,-8)(16,-12)
(-4,2)(-4,10)(0,10)(0,6)(-4,6)
(-18,-12)(-14,-12)(-14,-8)(-18,-8)(-18,-4)(-14,-4)
(8,10)(10,6)(12,10)

(12,-12)(12,-4)(16,-4)(16,-8)(12,-8)
(2,2)(2,10)(6,10)(6,6)(2,6)
(-10,6)(-6,6)
(10,6)(10,2)
(-12,2)(-12,10)
(-12,-4)(-12,-12)(-8,-12)(-8,-4)
(6,-8)(8,-8)

#30

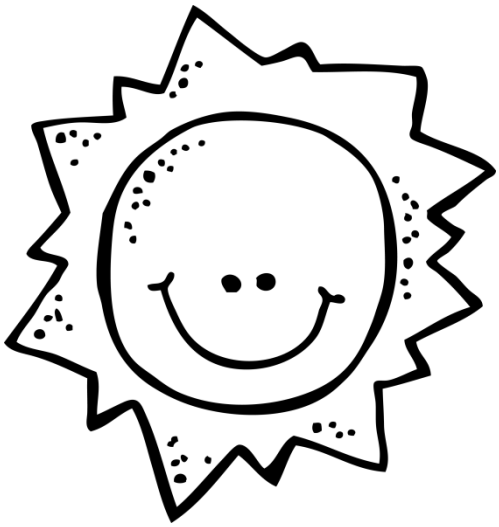
Classify 2-D Figures

Directions: Circle the classifications that describe each shape.

1. A rectangle
   Polygon OR Trapezoid

2. Rhombus
   circle OR Quadrilateral

3. Trapezoid
   Rhombus OR Quadrilateral



4. Rhombus
   Parallelogram OR Square

5. Square
   Rectangle OR Trapezoid

6. Rectangle
   Square OR Parallelogram

7. Square
   Rhombus OR Trapezoid

8. Parallelogram
   2 sets of parallel sides OR equal sides

9. Trapezoid
   2 sets of parallel sides OR 1 set of parallel sides

10. Rhombus
    2 right angles OR no right angles