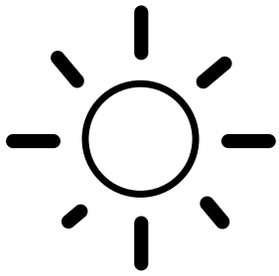
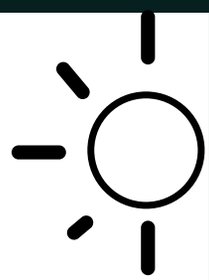




SUMMER MATH PACKET


5th Grade Fun Sampler


www.mathfactfluencyplayground.com



THIS SUMMER PACKET BELONGS TO:

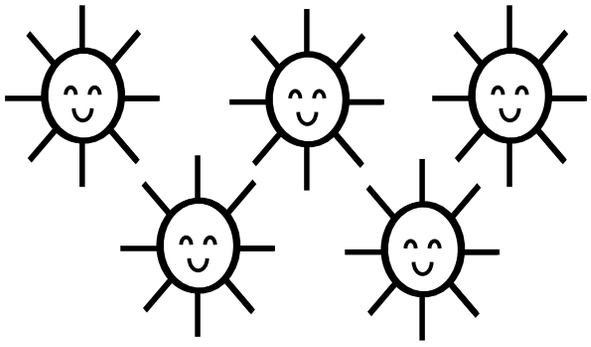
_____

(NAME)

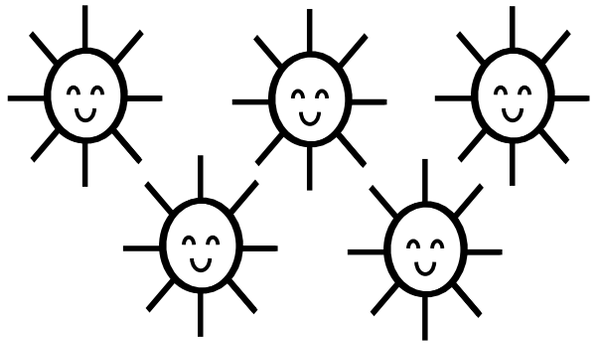
KEEP TRACK OF YOUR SUMMER WORK

As you complete each activity, color a sun!

WEEK 1



WEEK 2



WEEK 1

HOW TO PLAY ROCK, PAPER AND SCISSORS.

This game is (also known as Roshambo). It is a fun and easy way to start a game.
Players say "Rock, paper, scissors." Each player throws a rock, paper or scissors.

- Rock beats scissors,
- scissors beat paper,
- paper beats rock.

scissors

rock

paper

scissors

rock

paper

Multiplication Tic Tac Toe

Multiply by 11

11×4	11×5	11×7
11×8	11×9	11×3
11×2	11×10	11×6

11×8	11×9	11×6
11×1	11×10	11×2
11×3	11×4	11×7

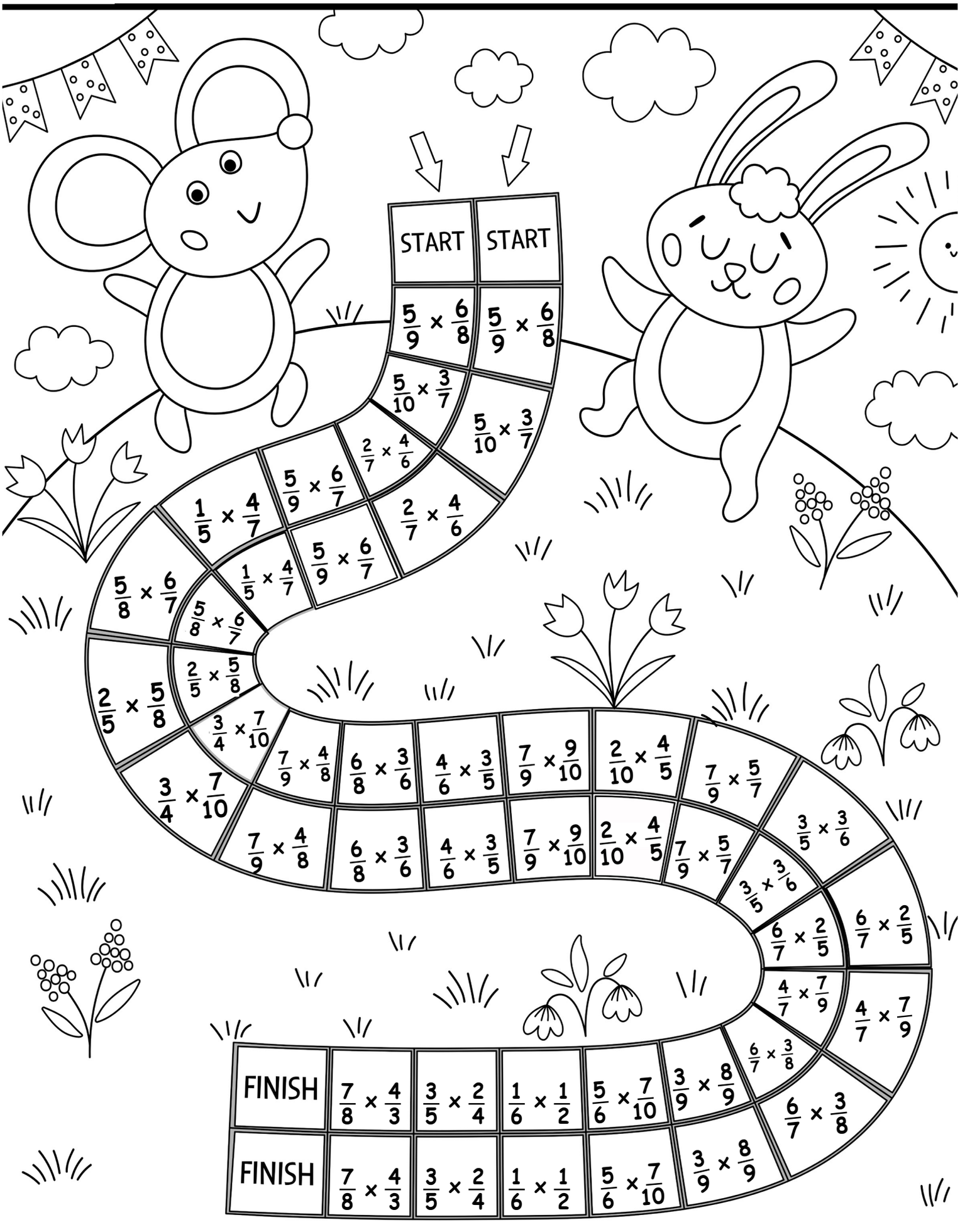
11×3	11×6	11×2
11×4	11×1	11×7
11×5	11×9	11×8

11×9	11×2	11×5
11×6	11×7	11×8
11×3	11×10	11×4

Instructions: Play rock, paper, scissors to see who starts. Then take turns answering a problem on the mat. Whoever gets 3 in a row first wins.

FRACTION BOARD GAME

Instructions: Roll the dice. Move and solve the problem. Whoever reaches the end first wins!

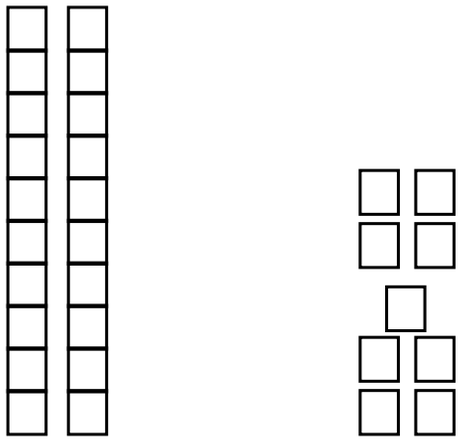


VISUALIZING DECIMAL COMPARISON

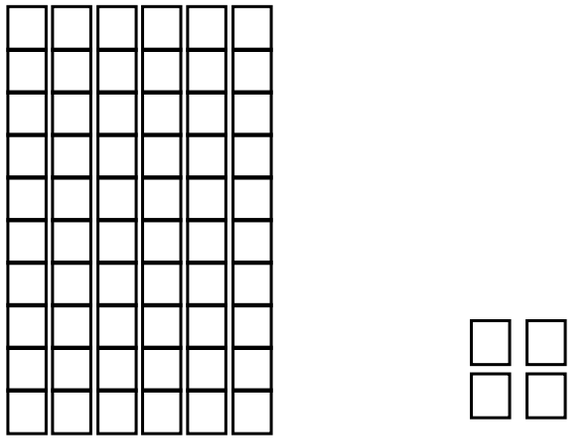
Use the visuals to compare the decimals

>,<,=

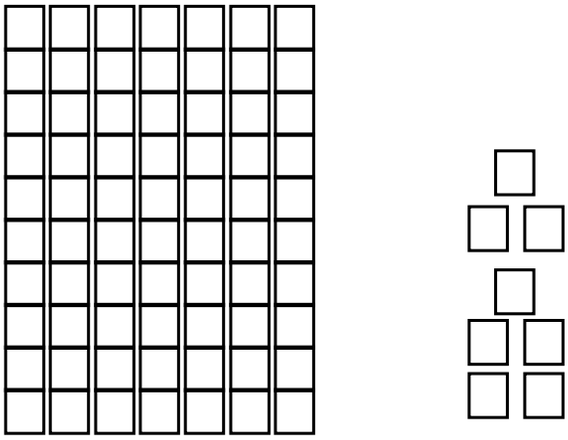
.2 ☐ .09



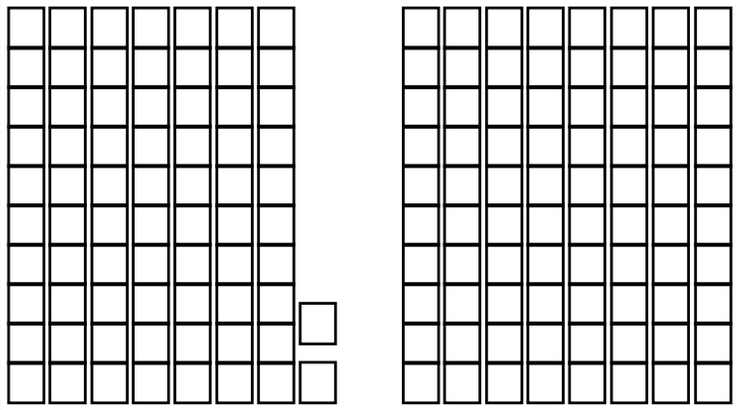
.6 ☐ .04



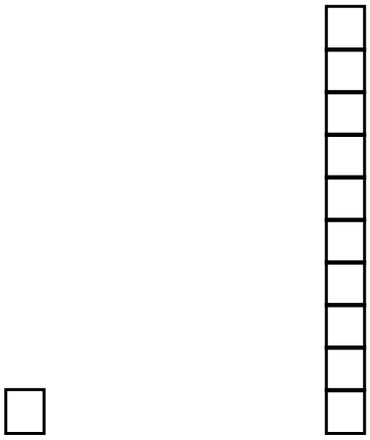
.7 ☐ .08



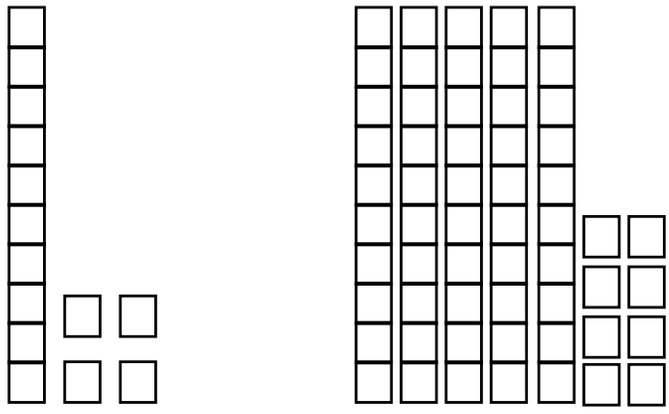
.72 ☐ .8



.01 ☐ .1



.14 ☐ .58



PULL AND COMPARE

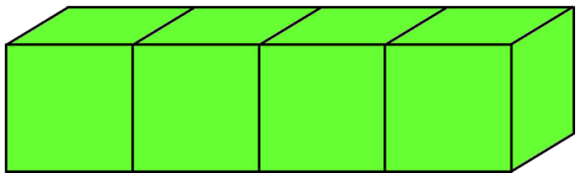
INSTRUCTIONS:

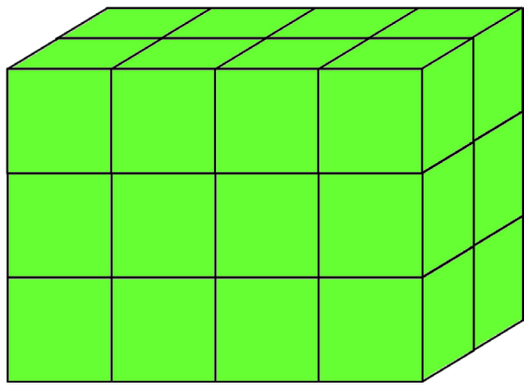
EACH PLAYER PULLS A CARD. THEY CALCULATE THE VOLUME OF THEIR RECTANGULAR PRISM. WHOEVER HAS THE SHAPE WITH THE LARGEST VOLUME WINS THAT PAIR OF CARDS. WHEN ALL THE CARDS HAVE BEEN PLAYED... THE GAME FINISHES. WHOEVER HAS THE MOST CARDS WINS.

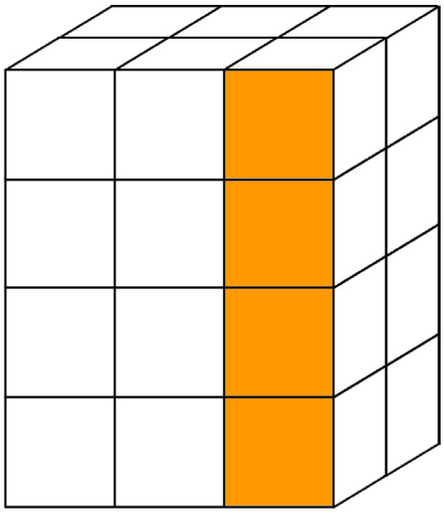
How to calculate volume of a rectangular prism.

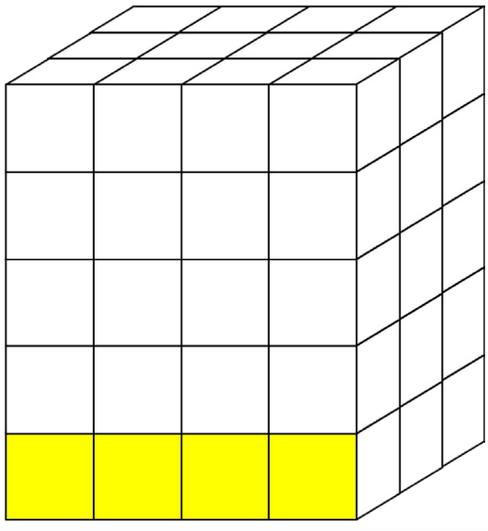
L x W x H
(LENGTH x WIDTH x HEIGHT

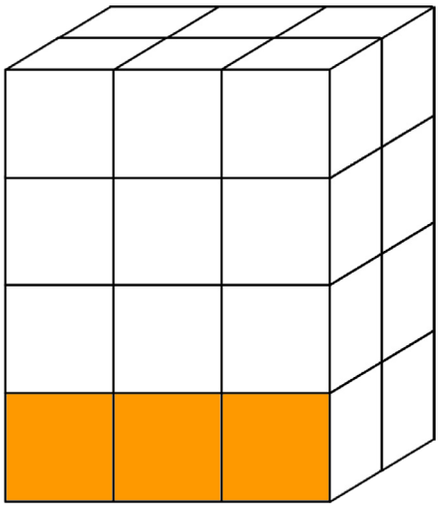
VISUALIZING VOLUME

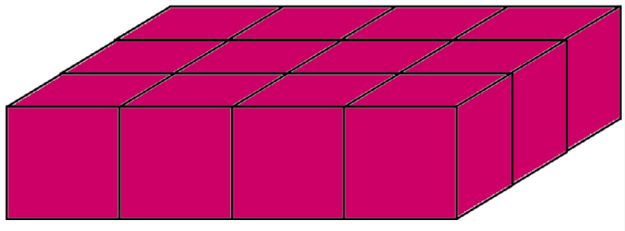




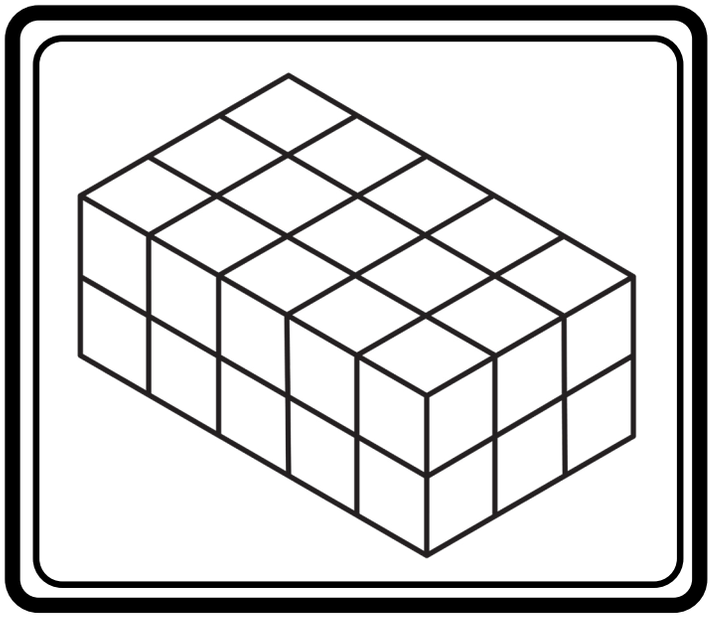


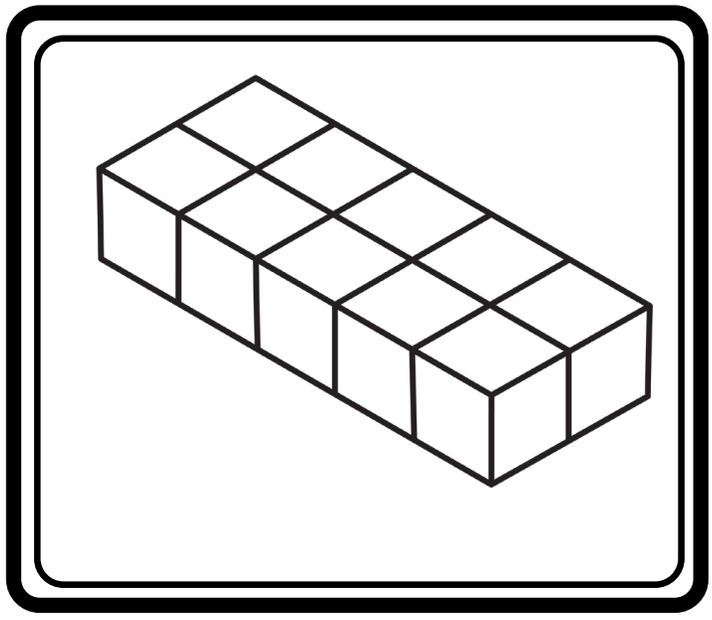


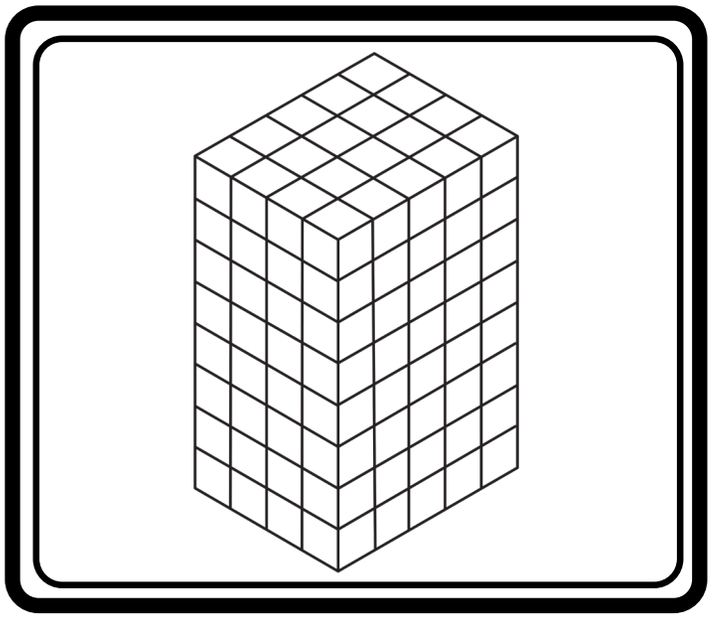


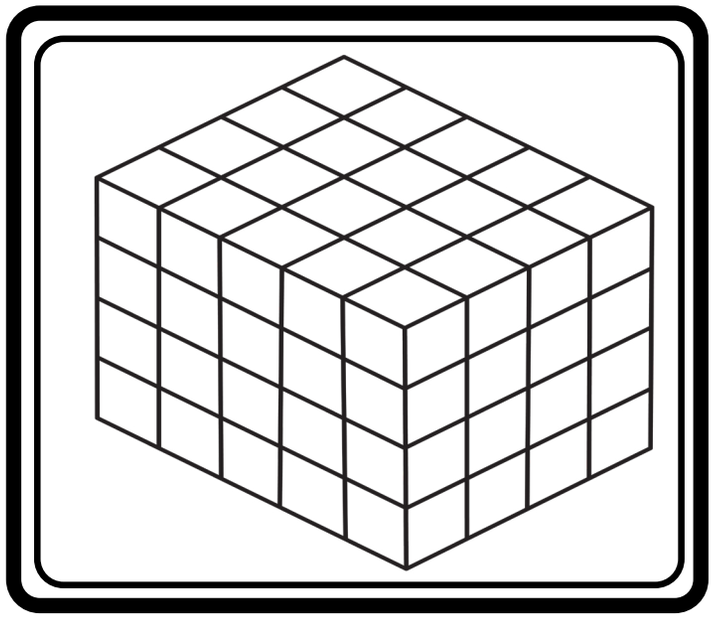


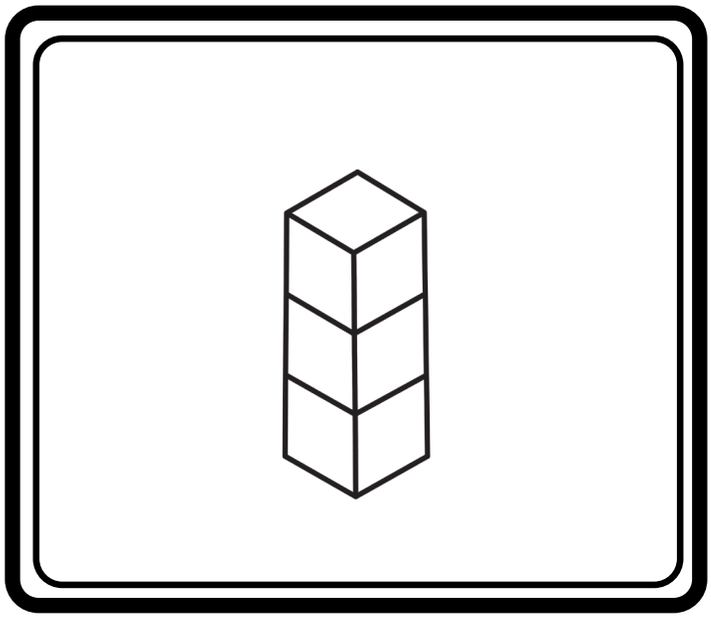
VISUALIZING VOLUME

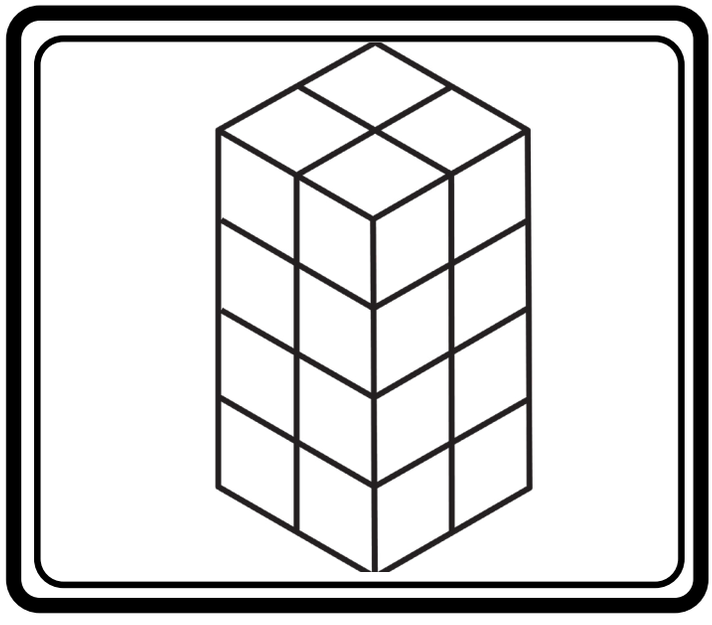






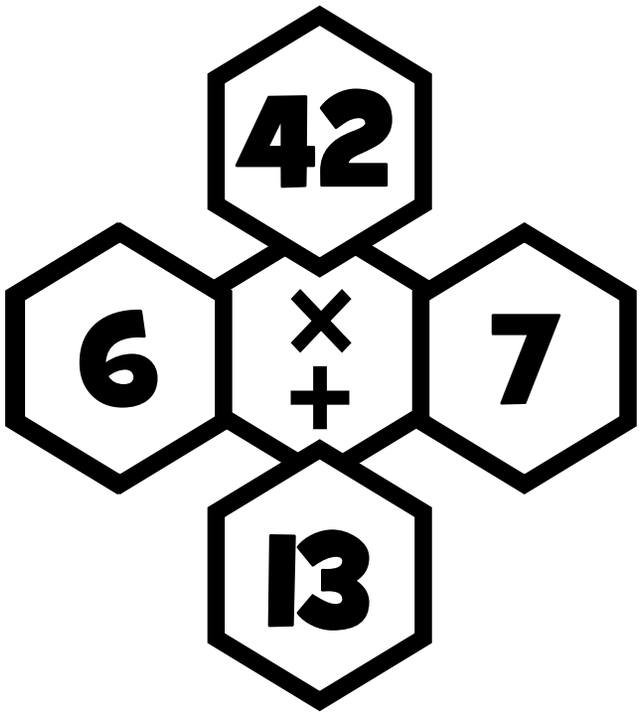


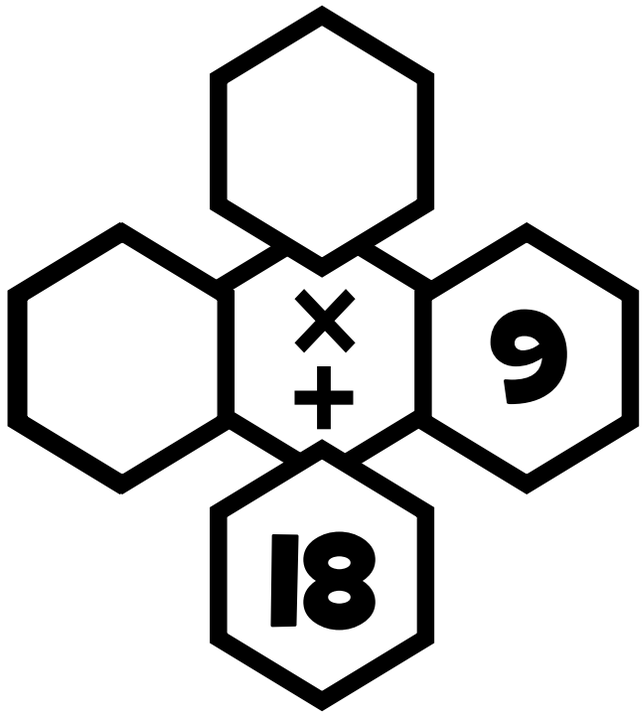


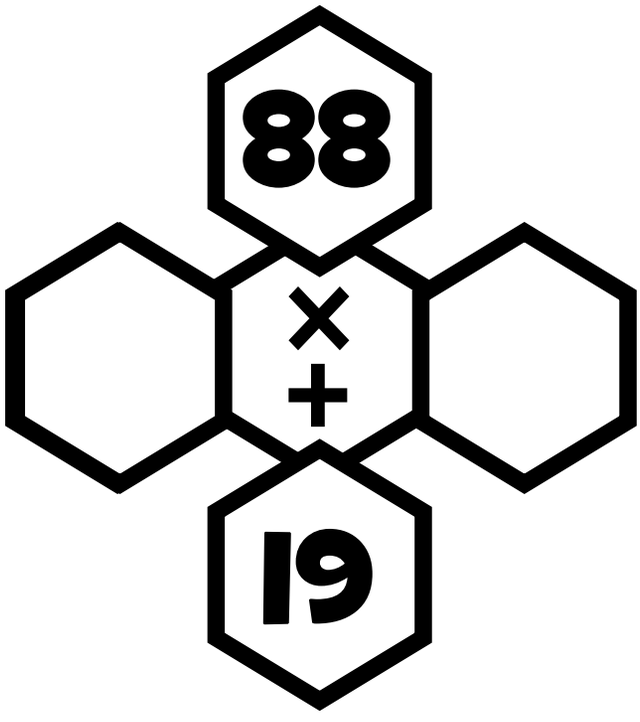


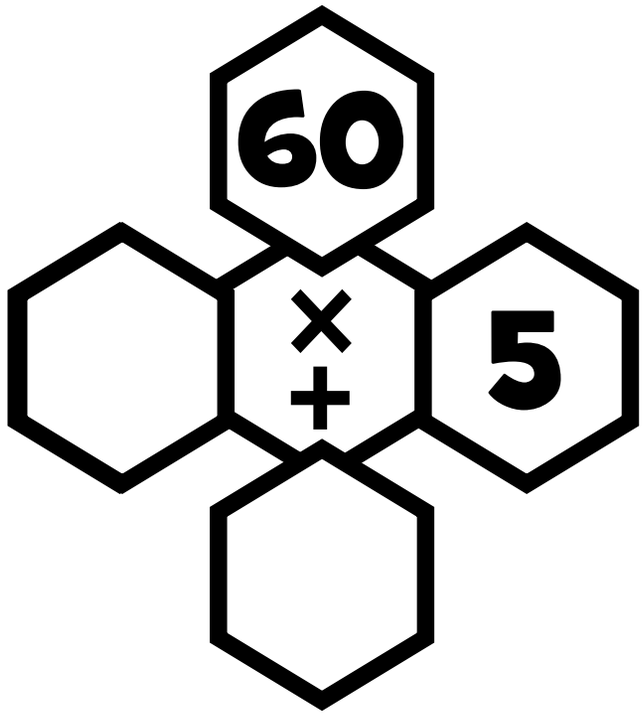
DIAMOND PUZZLES

INSTRUCTIONS:
THE TOP NUMBER IS THE PRODUCT OF THE 2 SIDE NUMBERS (PRODUCTS). THE BOTTOM NUMBER IS THE SUM OF THE 2 SIDE NUMBERS (THE ADDENDS). FIND THE MISSING NUMBERS.









WEEK 2

Multiplication Tic Tac Toe

Multiply by 12

12×1	12×3	12×4
12×5	12×2	12×9
12×6	12×8	12×7

12×5	12×6	12×3
12×8	12×1	12×7
12×2	12×10	12×4

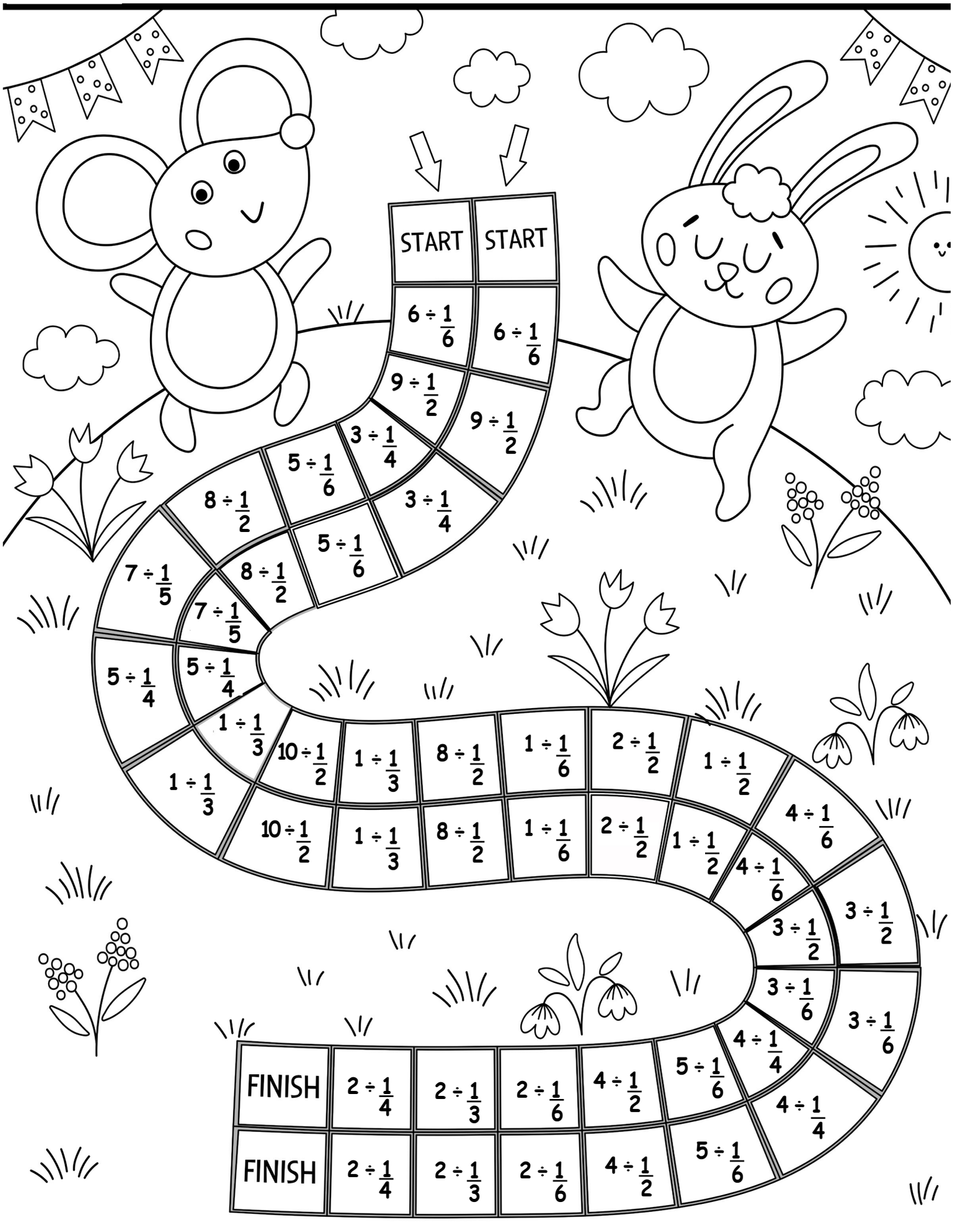
12×3	12×9	12×1
12×4	12×10	12×2
12×7	12×6	12×5

12×4	12×7	12×5
12×2	12×4	12×3
12×10	12×1	12×9

Instructions: Play rock, paper, scissors to see who starts. Then take turns answering a problem on the mat. Whoever gets 3 in a row first wins.

FRACTION BOARD GAME

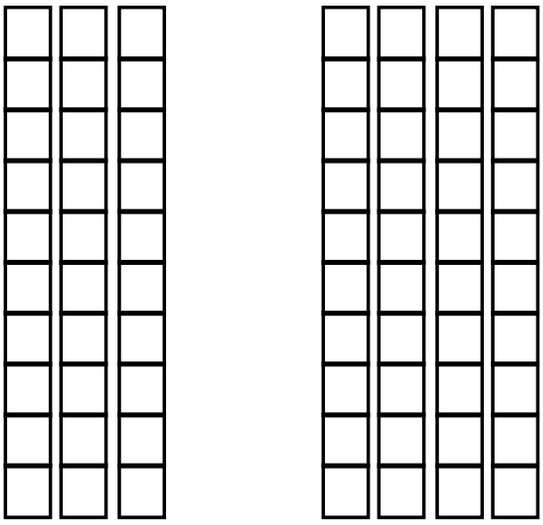
Instructions: Roll the dice. Move and solve the problem. Whoever reaches the end first wins!



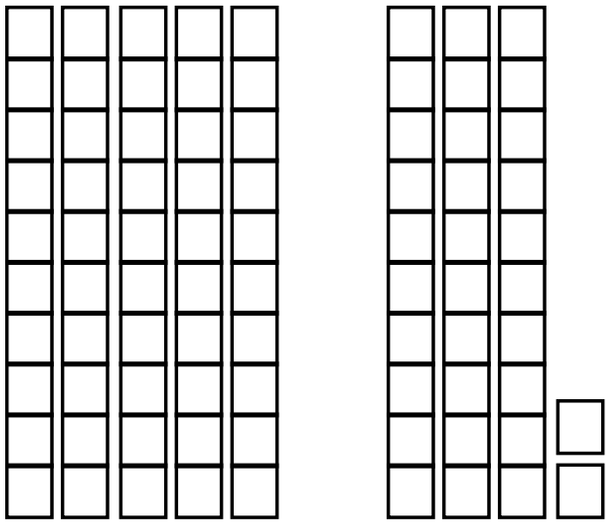
Visualizing Decimal Addition

USE THE MODELS TO VISUALIZE THE ANSWER.

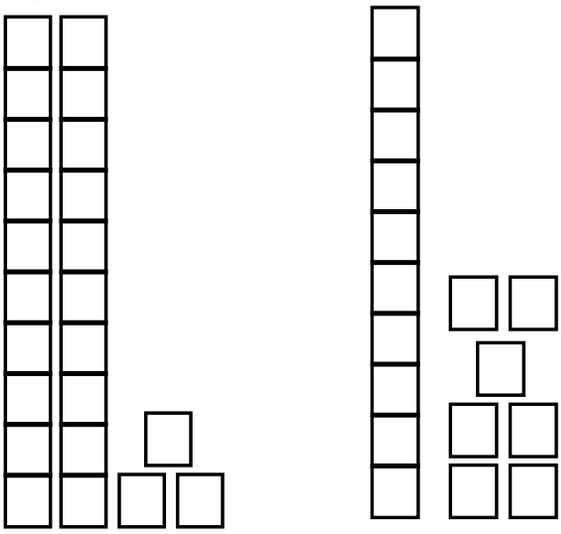
.30 + .40



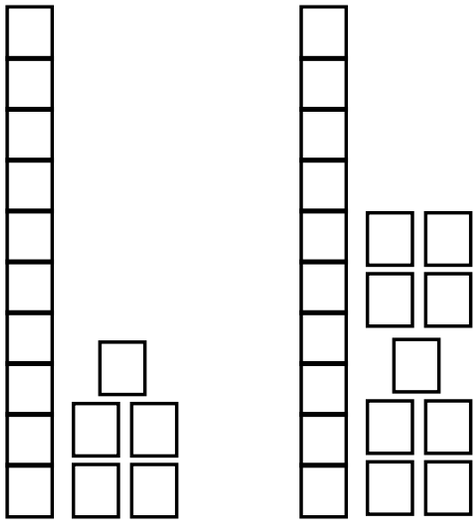
.50 + .32



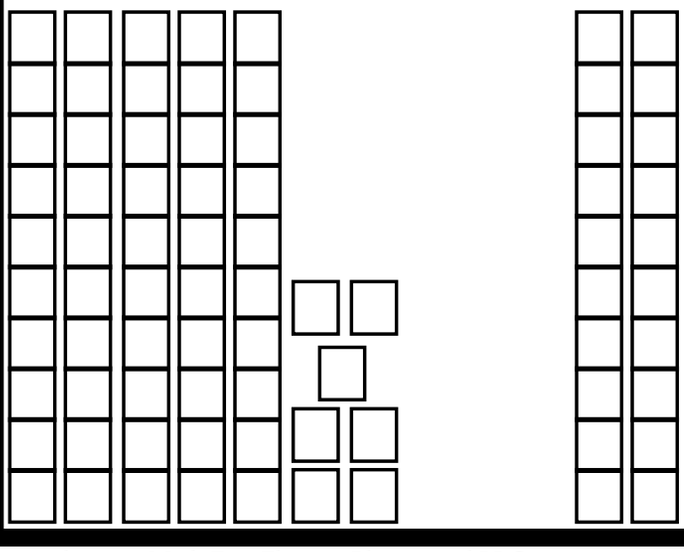
.23 + .17



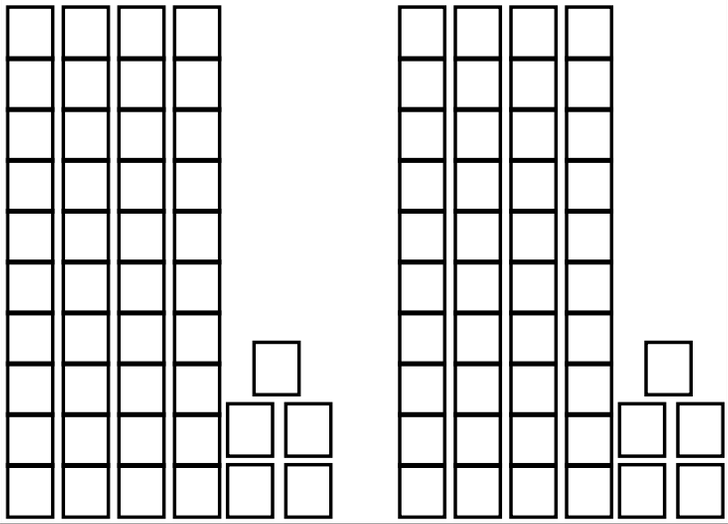
.15 + .19



.57 + .20



.45 + .45



Volume Concentration Game

INSTRUCTIONS

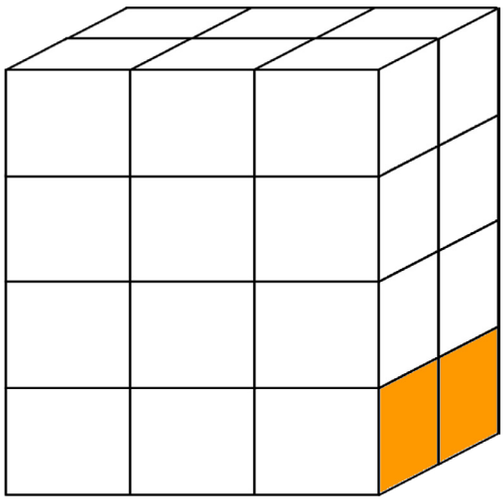
SET UP THE CARDS FACE DOWN IN A 3 BY 4 ARRAY. PLAY ROCK, PAPER, SCISSORS TO DECIDE WHO WILL START. THEN, TAKE TURNS TURNING OVER 2 CARDS AND TRYING TO MATCH THE PICTURE WITH THE EXPRESSION THAT MATCHES IT. WHOEVER GETS THE MOST PAIRS WHEN ALL THE CARDS ARE GONE, WINS!

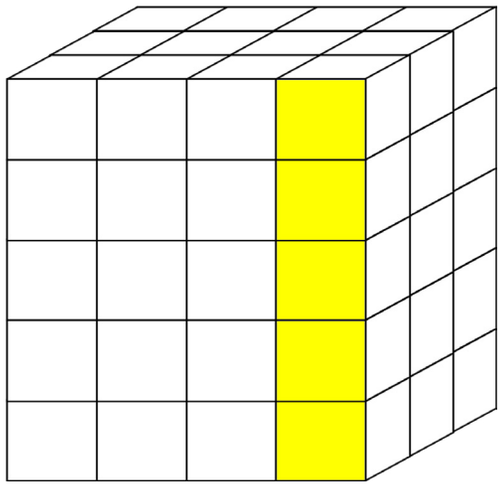
How to calculate volume of a rectangular prism.

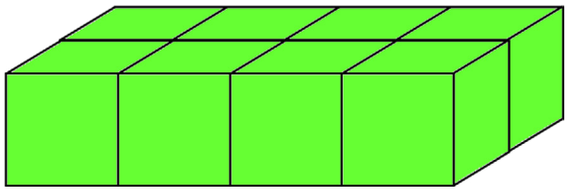
L x W x H

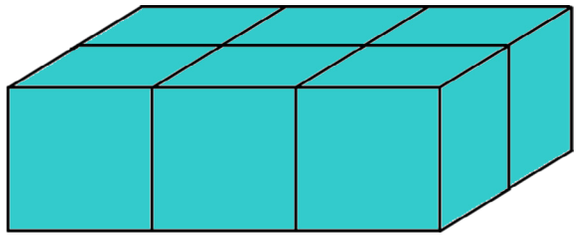
(LENGTH x WIDTH x HEIGHT

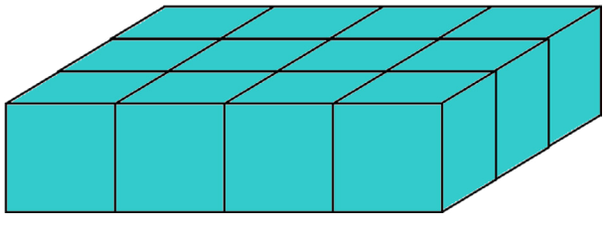
VISUALIZING VOLUME

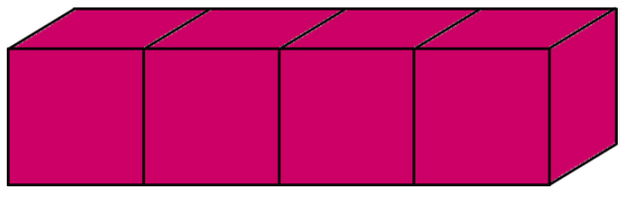












VISUALIZING VOLUME

4 X 3 X 2

4 X 3 X 4

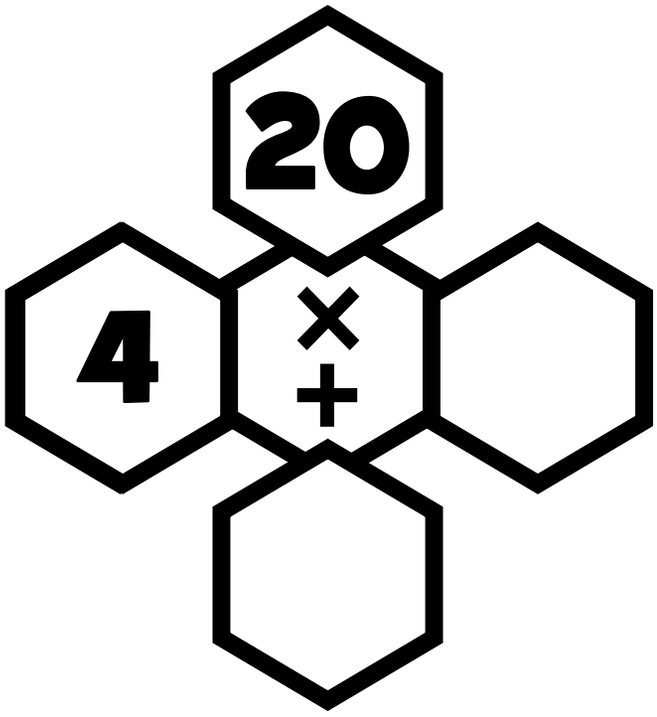
4 X 2 X 1

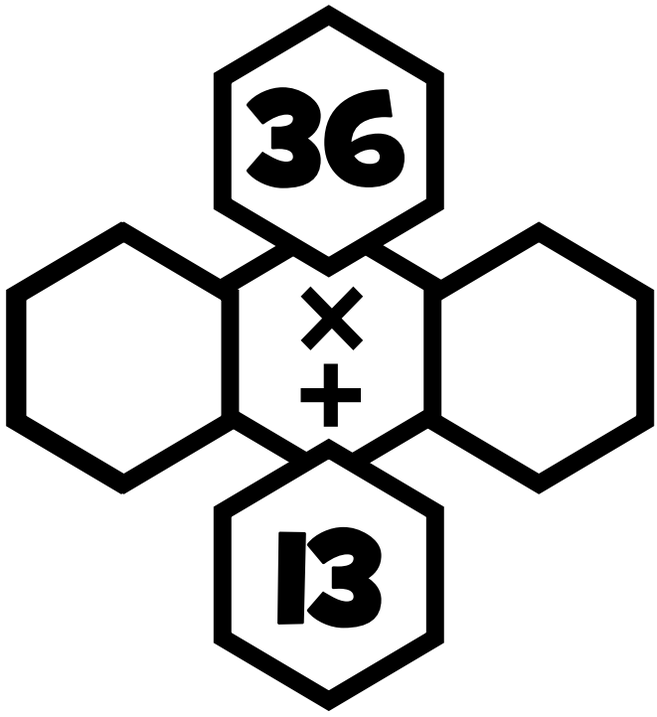
3 X 2 X 1

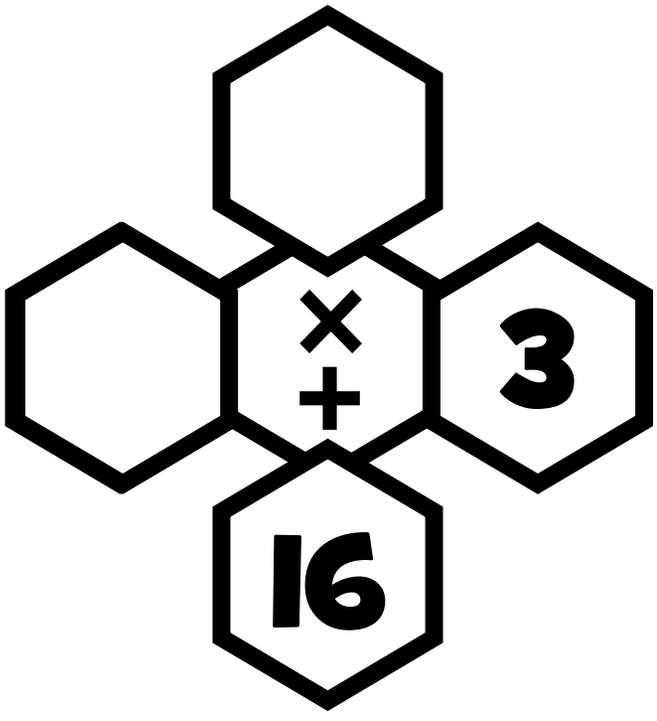
4 X 3 X 1

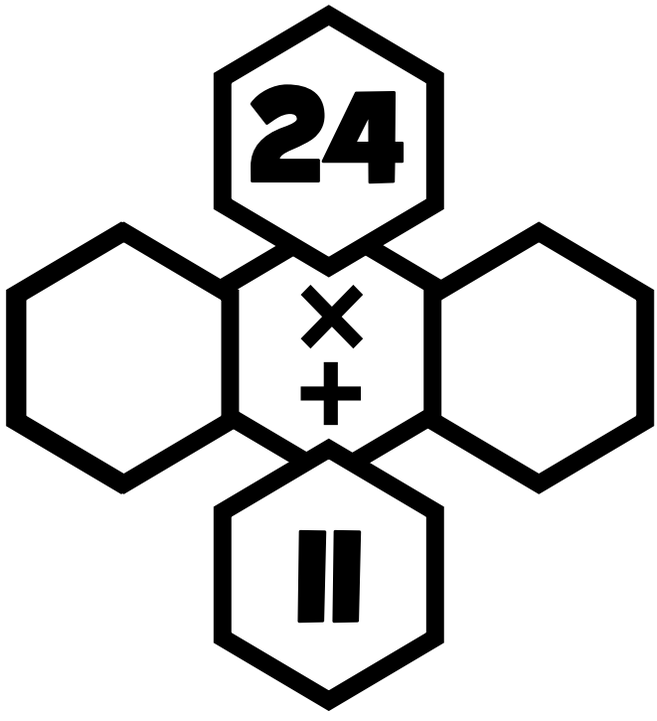
4 X 1 X 1

DIAMOND PUZZLES









SUMMER MATH SURVEY!

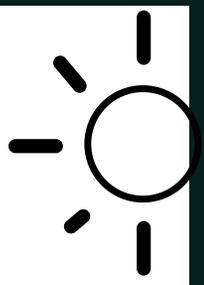
Q1: What was your favorite math activity in this packet?

Q2: What was kind of tricky? What strategies did you use to help you?

Q3: What do you need to continue to practice?

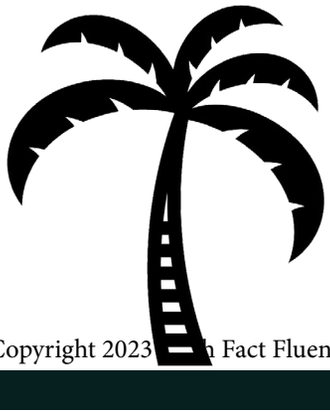
Q4: How do you feel about math?



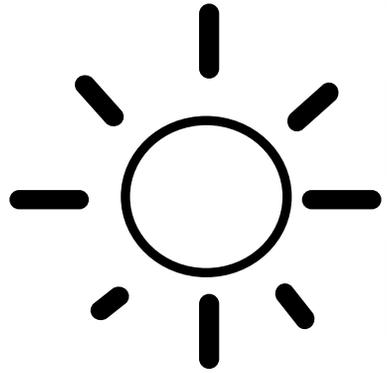


THE END

HOPE YOU HAD A GREAT SUMMER!



WOOHOO!



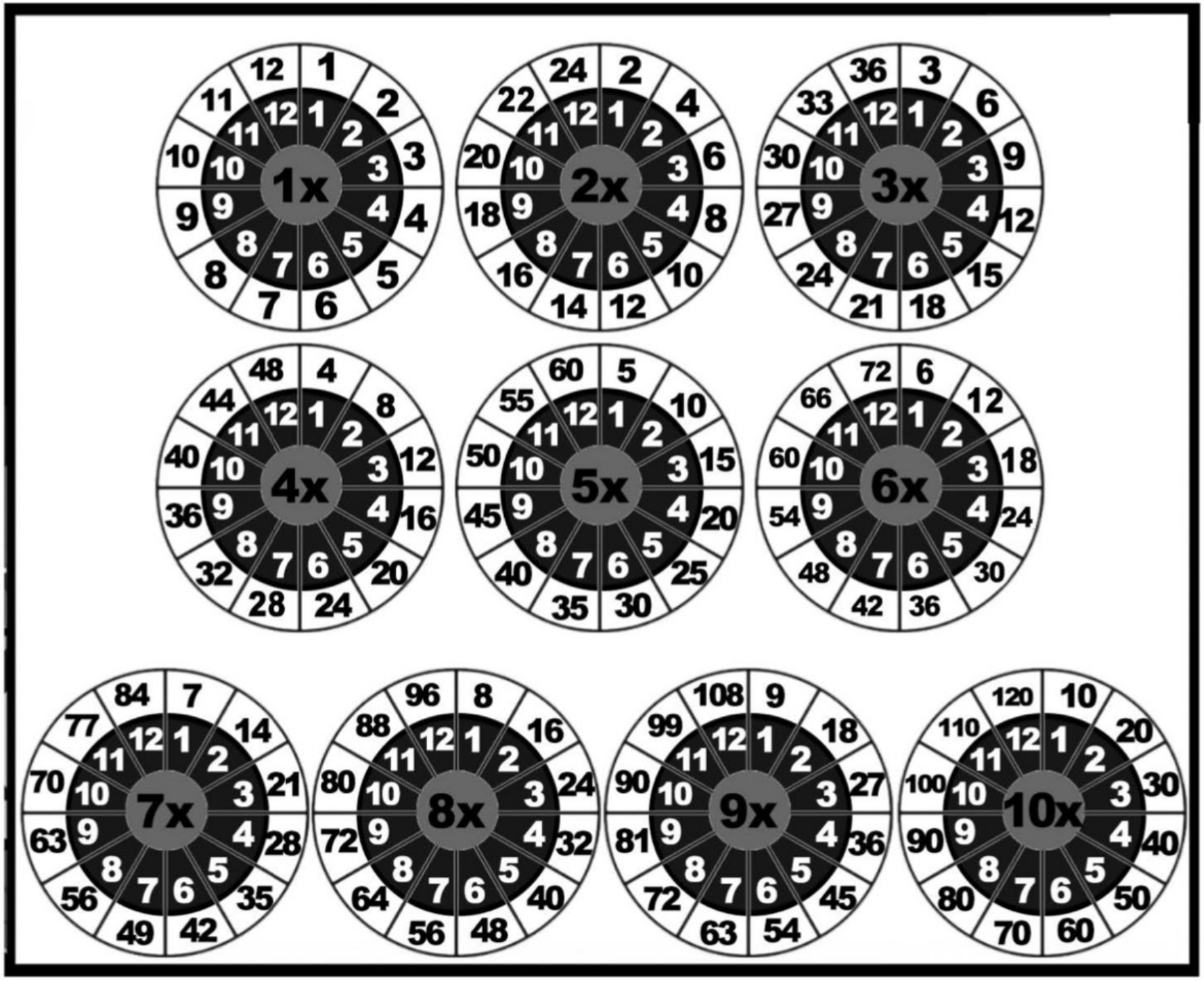
You did it!

You have finished the summer packet!

CONGRATULATIONS TO YOU!

WEEK 1 & 2 (Multiplication and Division Answers)

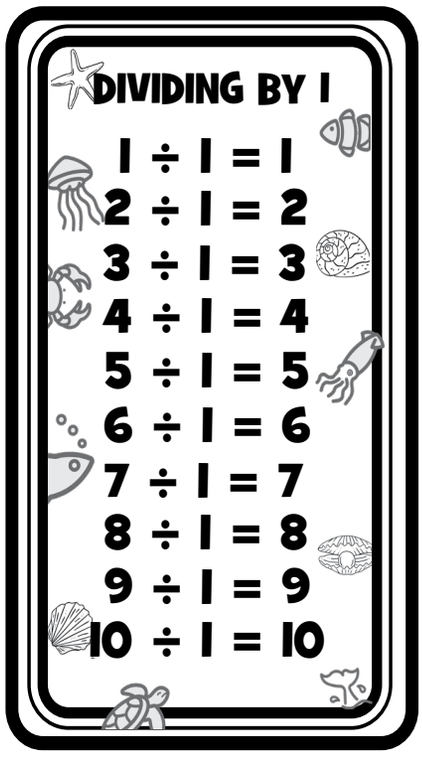
MULTIPLICATION CIRCLES TO 10



Multiplication

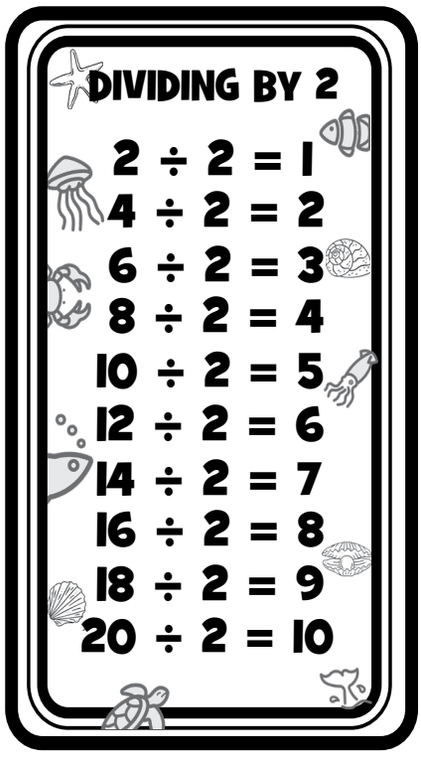
X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	108
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

DIVISION TABLES



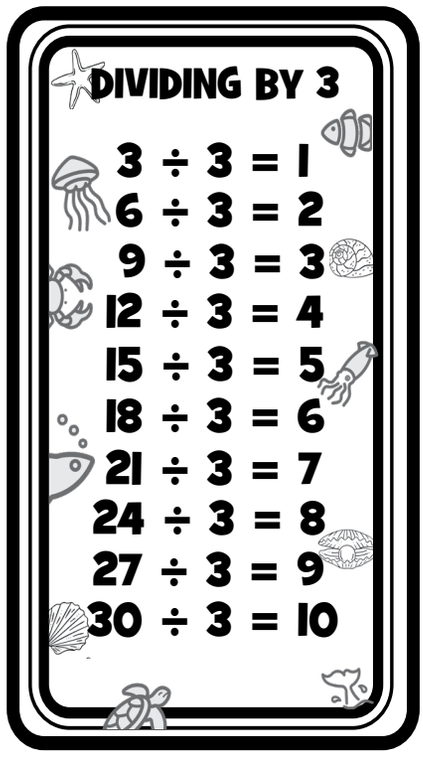
DIVIDING BY 1

1 ÷ 1 = 1
2 ÷ 1 = 2
3 ÷ 1 = 3
4 ÷ 1 = 4
5 ÷ 1 = 5
6 ÷ 1 = 6
7 ÷ 1 = 7
8 ÷ 1 = 8
9 ÷ 1 = 9
10 ÷ 1 = 10



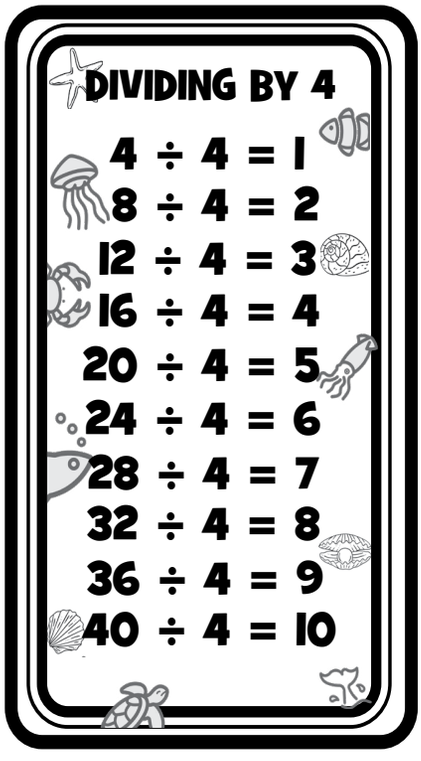
DIVIDING BY 2

2 ÷ 2 = 1
4 ÷ 2 = 2
6 ÷ 2 = 3
8 ÷ 2 = 4
10 ÷ 2 = 5
12 ÷ 2 = 6
14 ÷ 2 = 7
16 ÷ 2 = 8
18 ÷ 2 = 9
20 ÷ 2 = 10



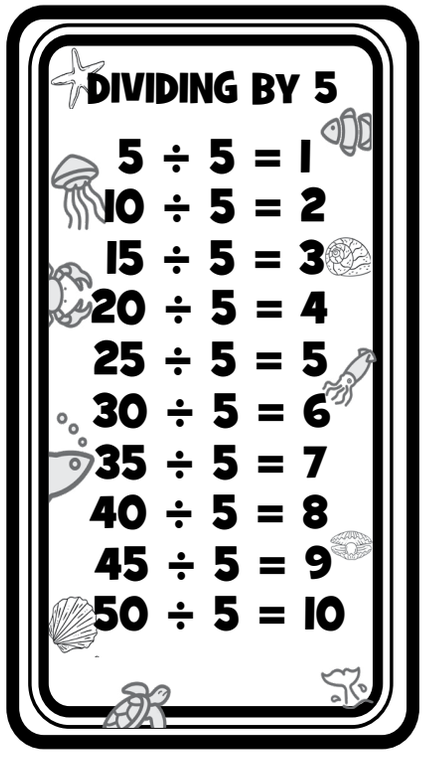
DIVIDING BY 3

3 ÷ 3 = 1
6 ÷ 3 = 2
9 ÷ 3 = 3
12 ÷ 3 = 4
15 ÷ 3 = 5
18 ÷ 3 = 6
21 ÷ 3 = 7
24 ÷ 3 = 8
27 ÷ 3 = 9
30 ÷ 3 = 10



DIVIDING BY 4

4 ÷ 4 = 1
8 ÷ 4 = 2
12 ÷ 4 = 3
16 ÷ 4 = 4
20 ÷ 4 = 5
24 ÷ 4 = 6
28 ÷ 4 = 7
32 ÷ 4 = 8
36 ÷ 4 = 9
40 ÷ 4 = 10



DIVIDING BY 5

5 ÷ 5 = 1
10 ÷ 5 = 2
15 ÷ 5 = 3
20 ÷ 5 = 4
25 ÷ 5 = 5
30 ÷ 5 = 6
35 ÷ 5 = 7
40 ÷ 5 = 8
45 ÷ 5 = 9
50 ÷ 5 = 10

DIVISION TABLES

DIVIDING BY 6

6 ÷ 6 = 1
12 ÷ 6 = 2
18 ÷ 6 = 3
24 ÷ 6 = 4
30 ÷ 6 = 5
36 ÷ 6 = 6
42 ÷ 6 = 7
48 ÷ 6 = 8
54 ÷ 6 = 9
60 ÷ 6 = 10

DIVIDING BY 7

7 ÷ 7 = 1
14 ÷ 7 = 2
21 ÷ 7 = 3
28 ÷ 7 = 4
35 ÷ 7 = 5
42 ÷ 7 = 6
49 ÷ 7 = 7
56 ÷ 7 = 8
63 ÷ 7 = 9
70 ÷ 7 = 10

DIVIDING BY 8

8 ÷ 8 = 1
16 ÷ 8 = 2
24 ÷ 8 = 3
32 ÷ 8 = 4
40 ÷ 8 = 5
48 ÷ 8 = 6
56 ÷ 8 = 7
64 ÷ 8 = 8
72 ÷ 8 = 9
80 ÷ 8 = 10

DIVIDING BY 9

9 ÷ 9 = 1
18 ÷ 9 = 2
27 ÷ 9 = 3
36 ÷ 9 = 4
45 ÷ 9 = 5
54 ÷ 9 = 6
63 ÷ 9 = 7
72 ÷ 9 = 8
81 ÷ 9 = 9
90 ÷ 9 = 10

DIVIDING BY 10

10 ÷ 10 = 1
20 ÷ 10 = 2
30 ÷ 10 = 3
40 ÷ 10 = 4
50 ÷ 10 = 5
60 ÷ 10 = 6
70 ÷ 10 = 7
80 ÷ 10 = 8
90 ÷ 10 = 9
100 ÷ 10 = 10

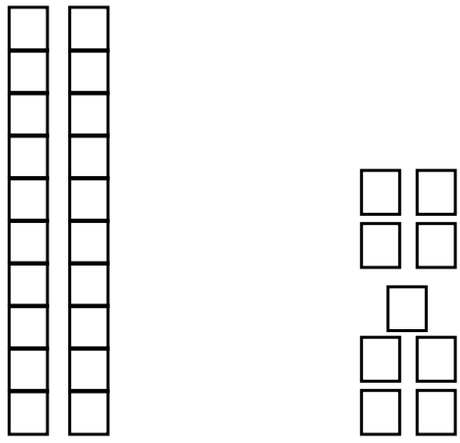
WEEK 1

VISUALIZING DECIMAL COMPARISON

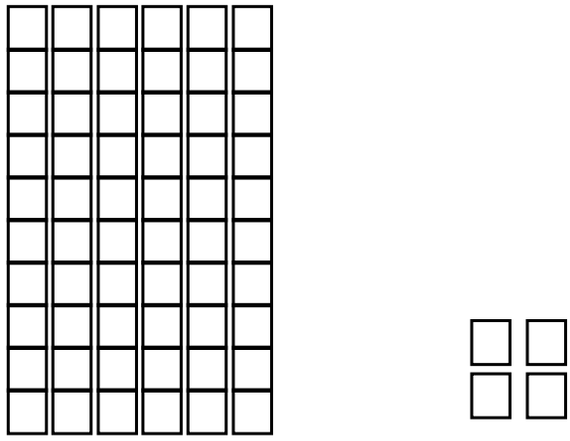
Use the visuals to compare the decimals

>,<,=

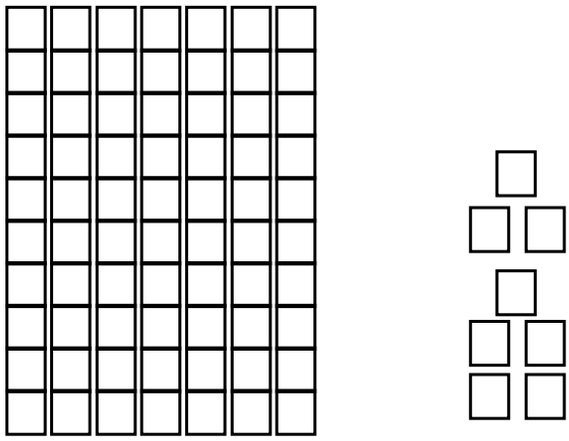
.2 > .09



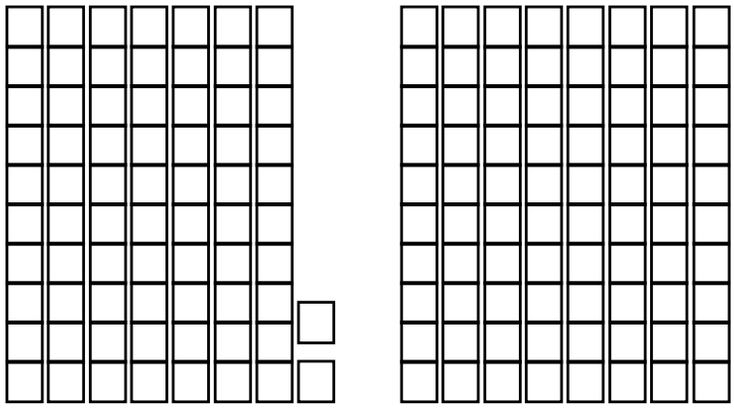
.6 > .04



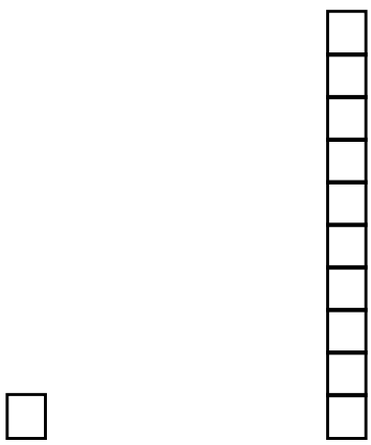
.7 > .08



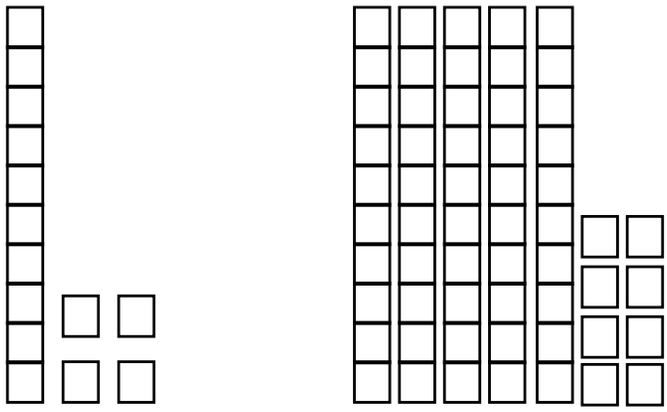
.72 < .8



.01 < .1

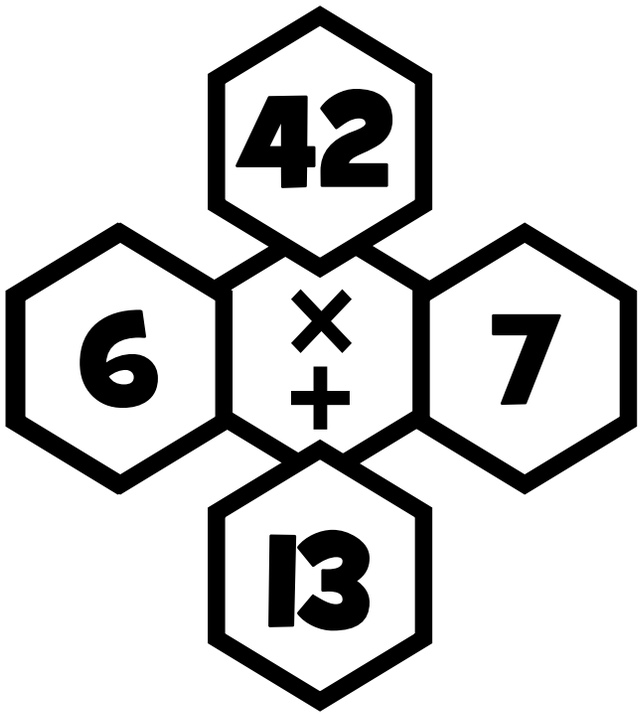


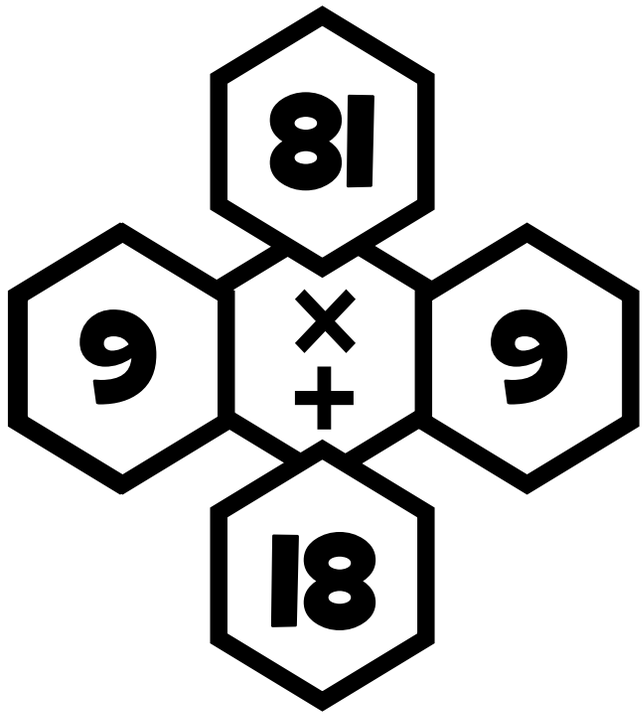
.14 < .58

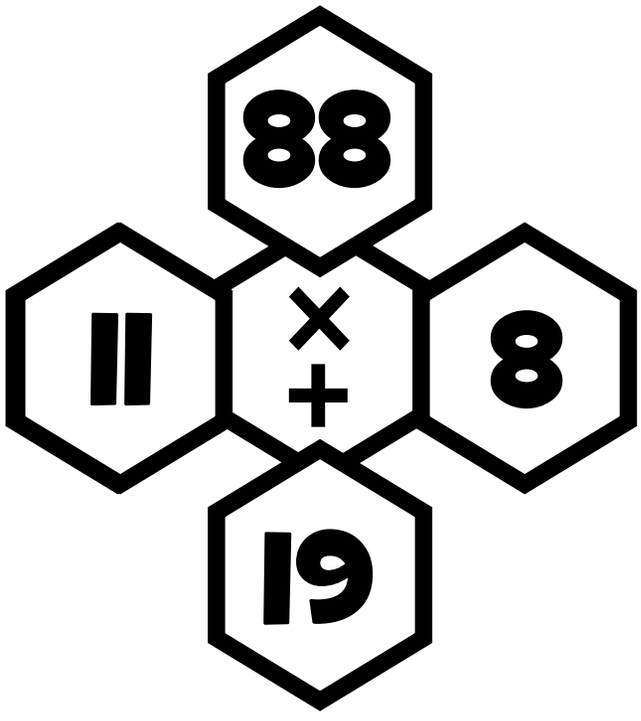


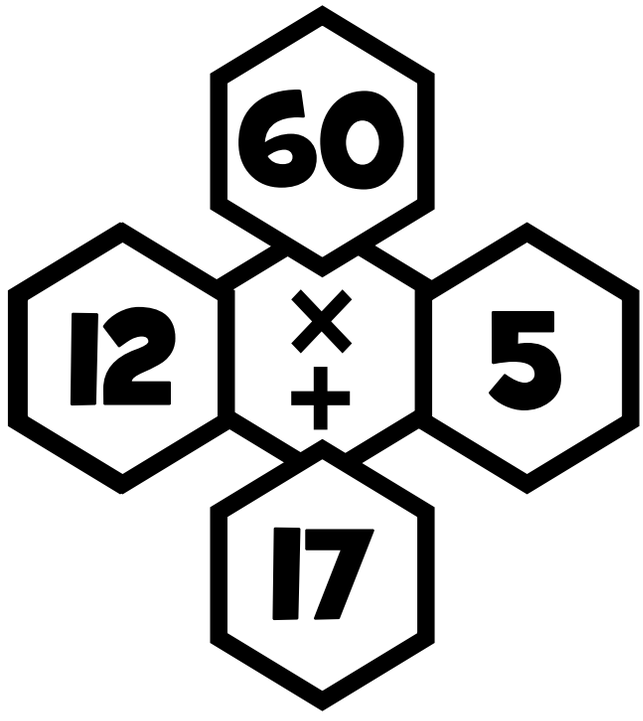
DIAMOND PUZZLES

INSTRUCTIONS:
THE TOP NUMBER IS THE PRODUCT OF THE 2 SIDE NUMBERS (PRODUCTS). THE BOTTOM NUMBER IS THE SUM OF THE 2 SIDE NUMBERS (THE ADDENDS). FIND THE MISSING NUMBERS.







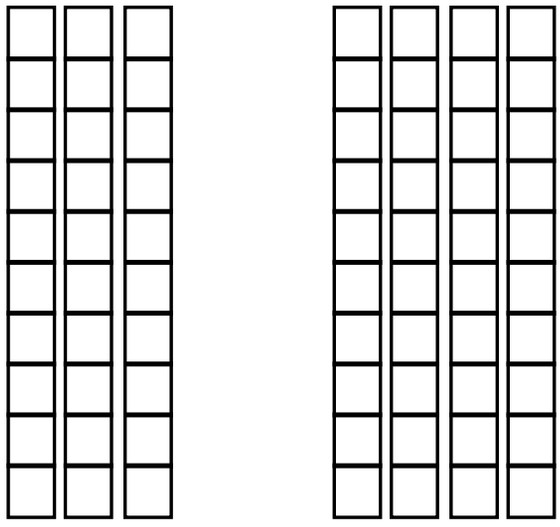


WEEK 2

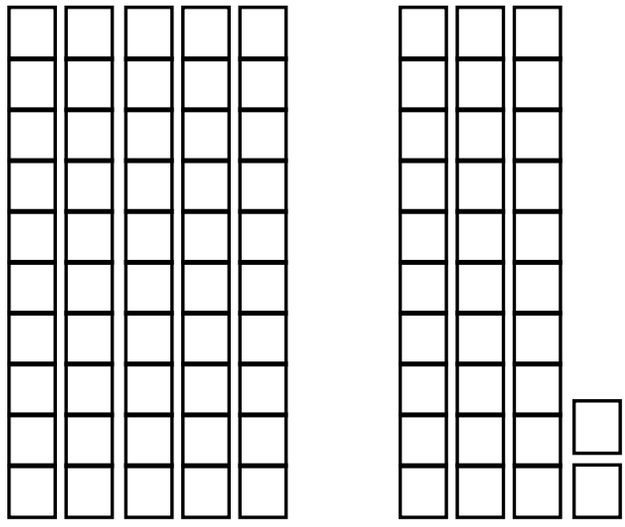
Visualizing Decimal Addition

USE THE MODELS TO VISUALIZE THE ANSWER.

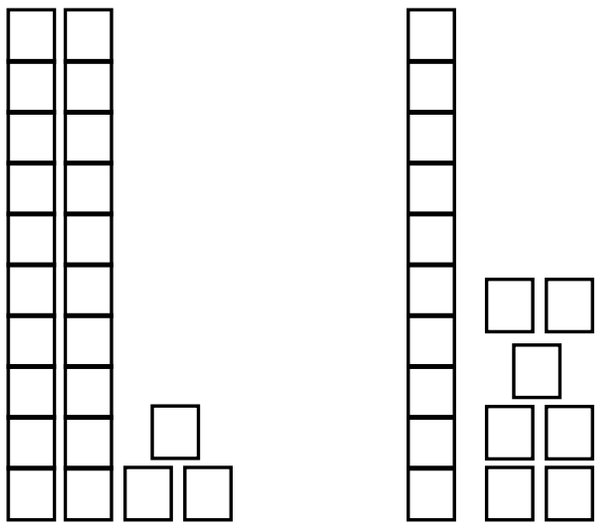
.30 + .40 = .70



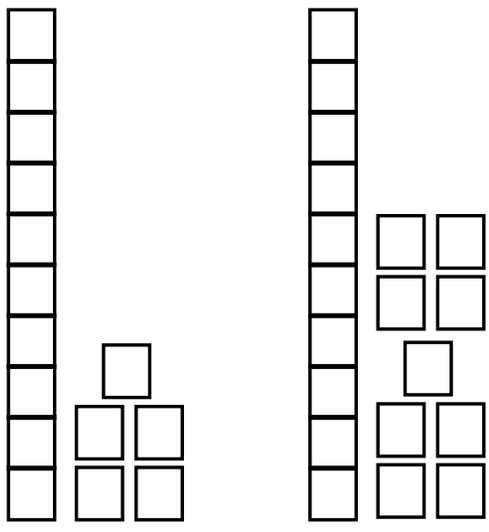
.50 + .32 = .82



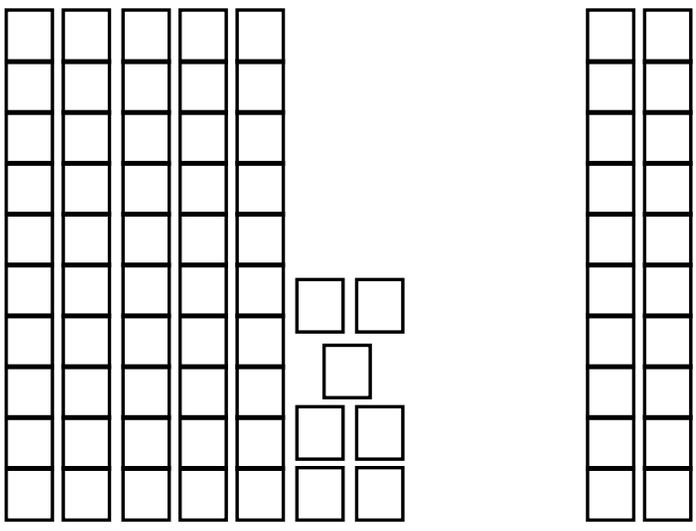
.23 + .17 = .40



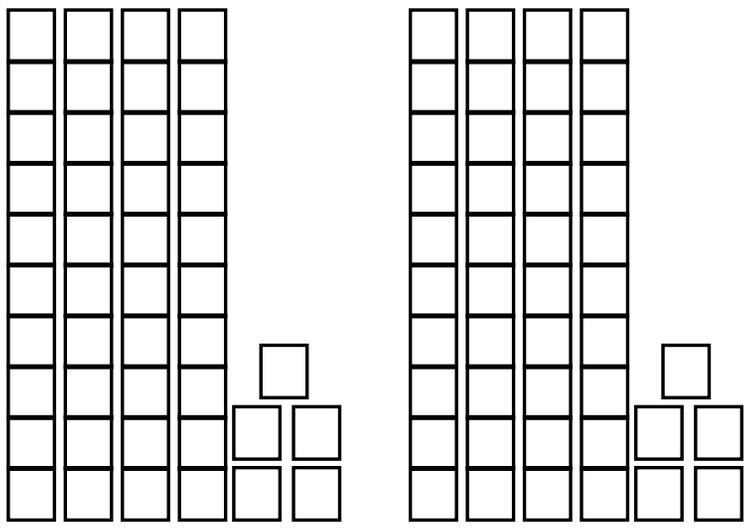
.15 + .19 = 34



.57 + .20 = 77



.45 + .45 = 90



DIAMOND PUZZLES

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