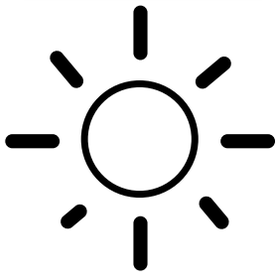


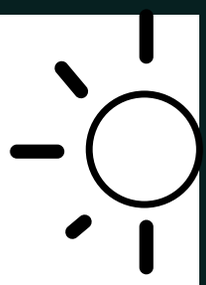


SUMMER

MATH PACKET

4th Grade Fun Sampler


www.mathfactfluencyplayground.com



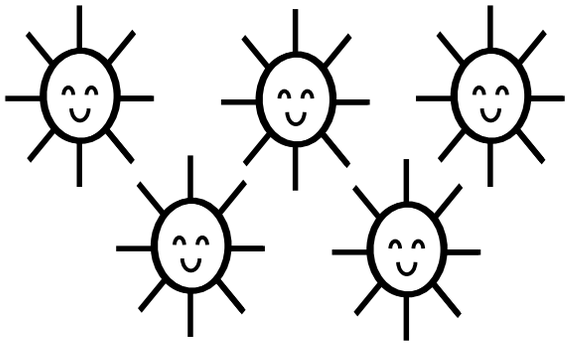
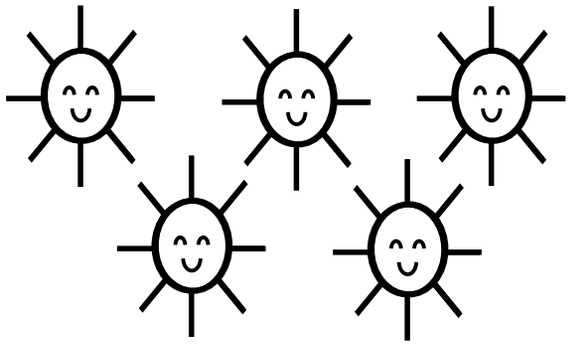
THIS SUMMER PACKET BELONGS TO:

_____

(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.

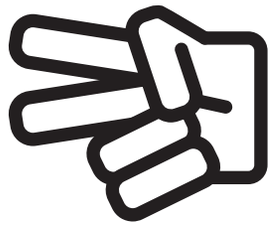
This game is (also known as Roshambo). It is a fun and easy way to start a game.
Players say "Rock, paper, scissors." Each player throws a rock, paper or scissors.

- 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

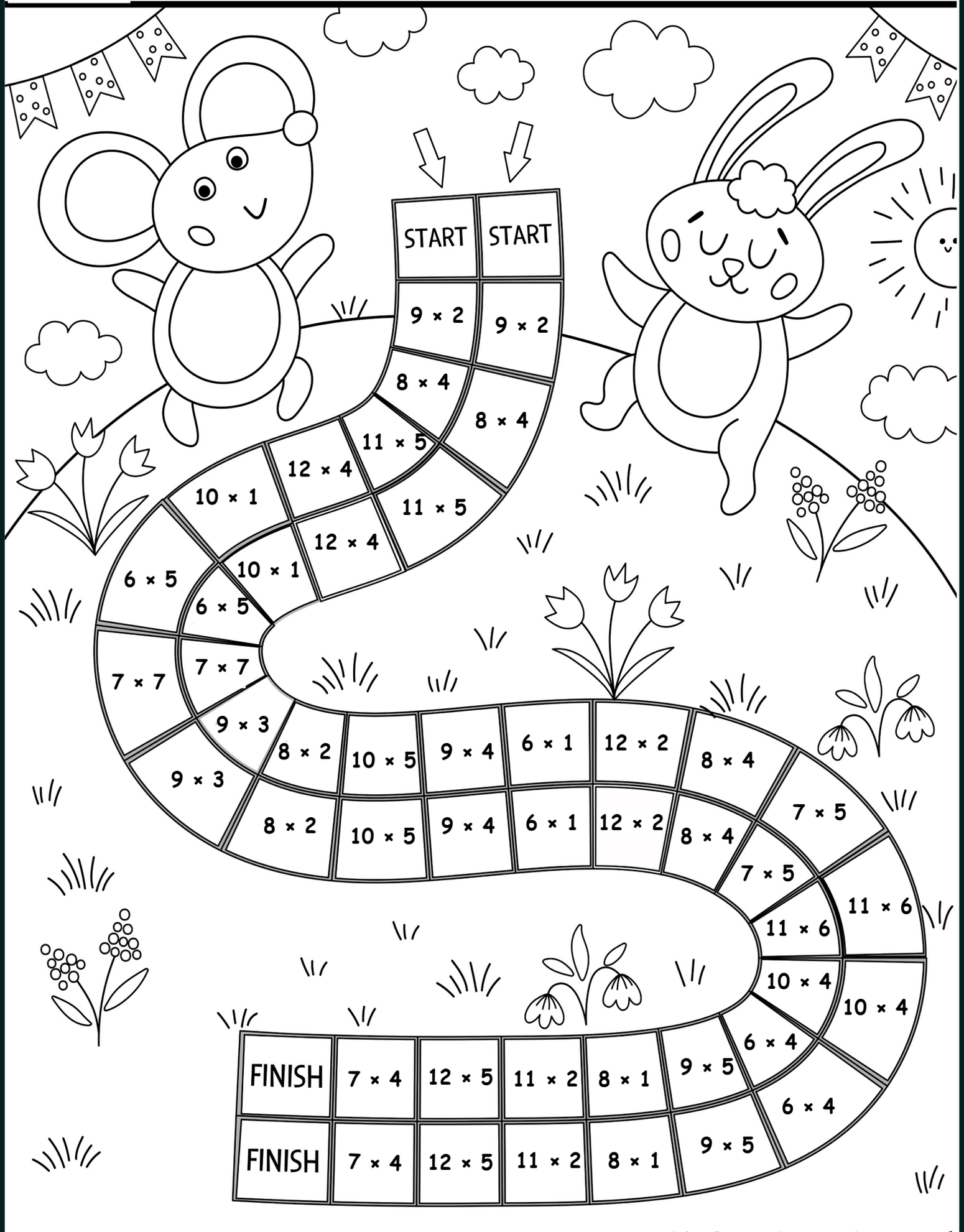
11×3	11×6	11×2
11×4	11×1	11×7
11×5	11×9	11×8

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.

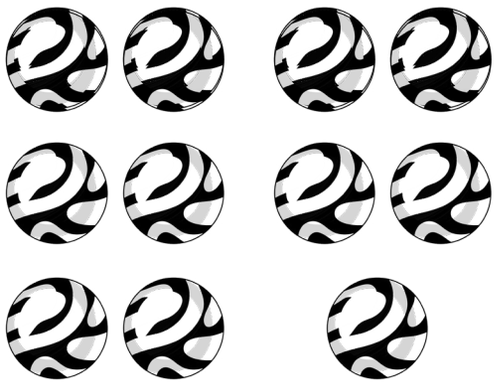
MULTIPLICATION BOARD GAME

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



VISUALIZING REMAINDERS

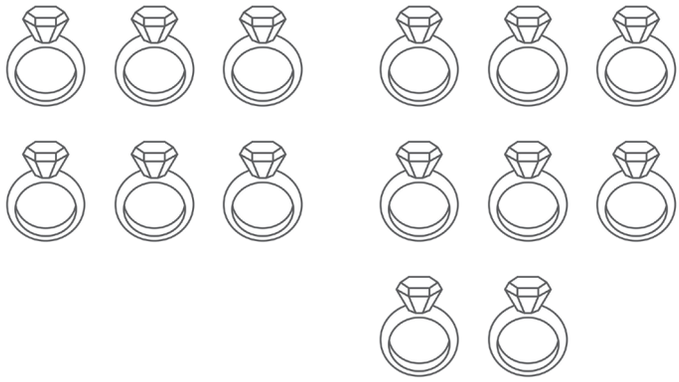
Jamal had 11 marbles. He put 2 in a box. How many boxes did he use? How many did he have left over?



ANSWER:

_____

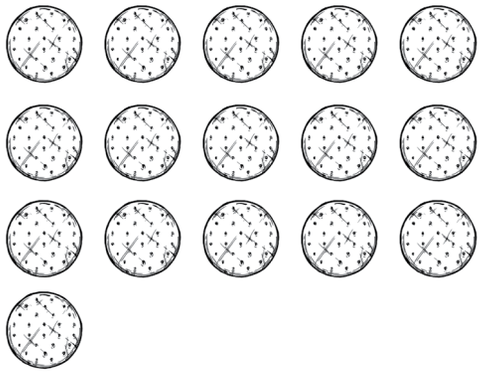
Luisa had 14 rings. She put 3 in a box. How many boxes did she need if she put all the rings in a box?



ANSWER:

_____

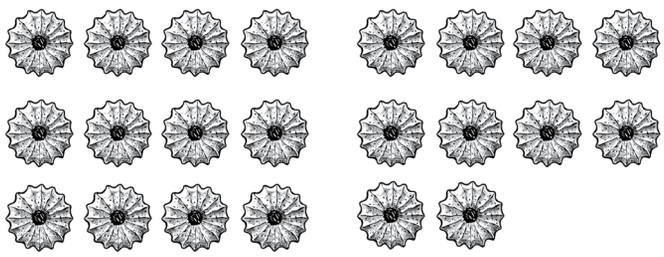
The bakery made 16 cookies. They put 5 in a box. How many boxes did they use? Did they have any left over?



ANSWER:

_____

The bakery made 22 cookies. They put 4 in a box. How many boxes did they use? Did they have any left over?



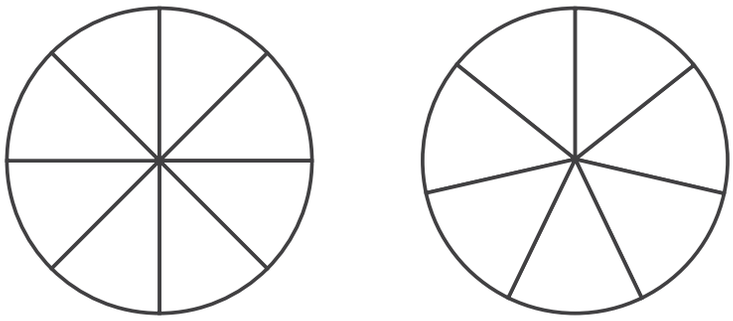
ANSWER:

_____

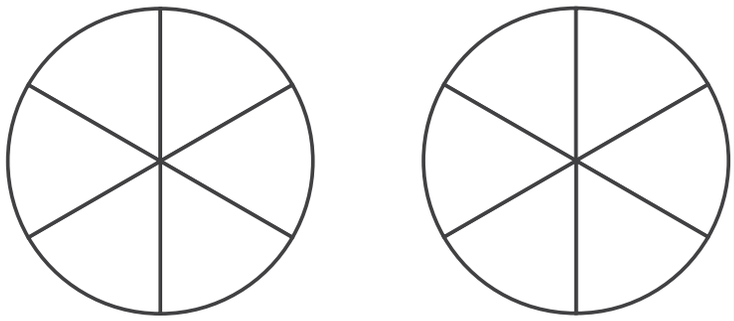
COLOR AND COMPARE

USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.

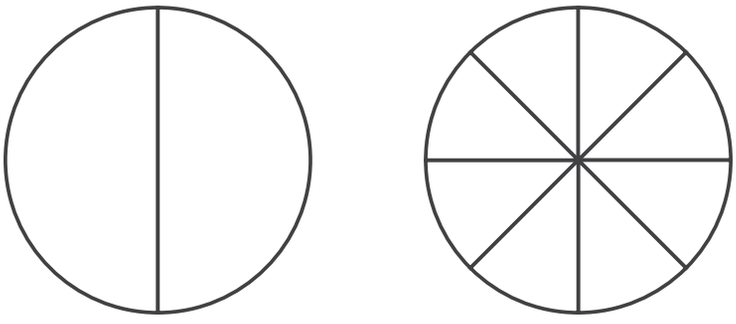
<, > , =



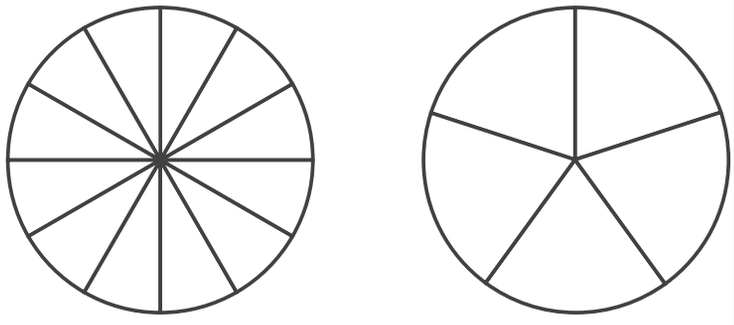
$\frac{3}{8} \quad \square \quad \frac{5}{7}$



$\frac{4}{6} \quad \square \quad \frac{3}{6}$



$\frac{1}{2} \quad \square \quad \frac{6}{8}$

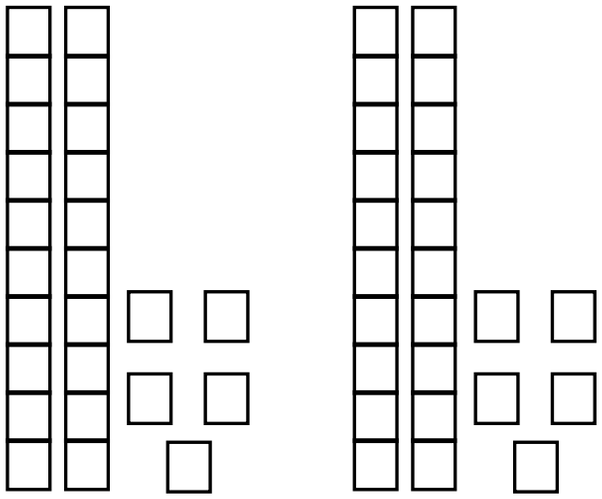


$\frac{6}{12} \quad \square \quad \frac{3}{5}$

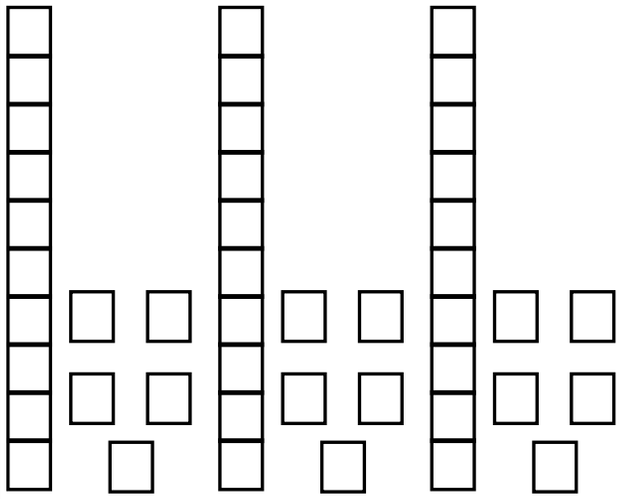
VISUALIZING MULTIPLYING

USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.

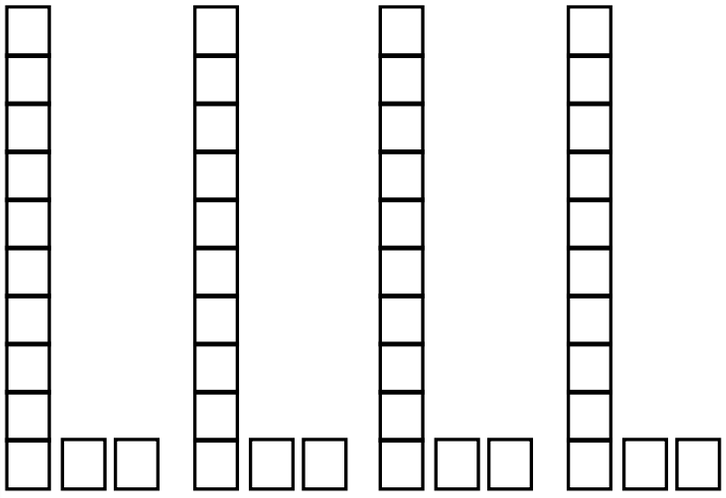
2 x 25 = ___



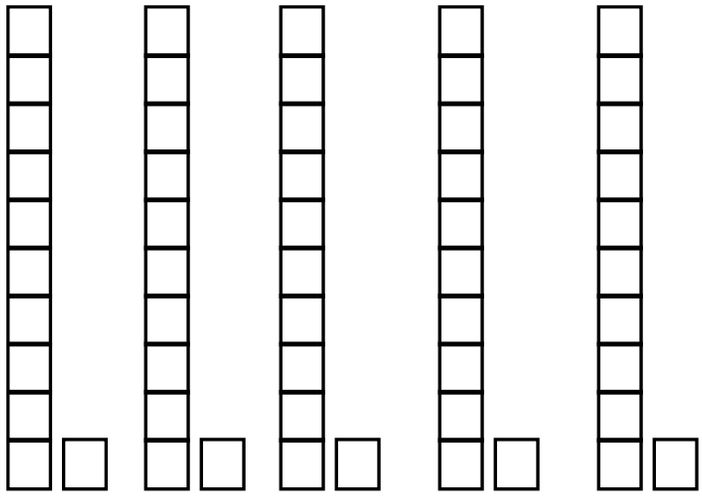
3 x 15 = ___



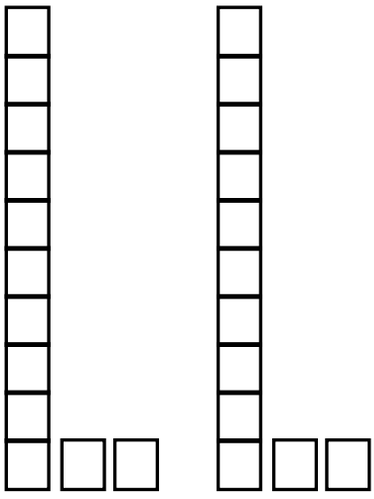
4 x 12 = ___



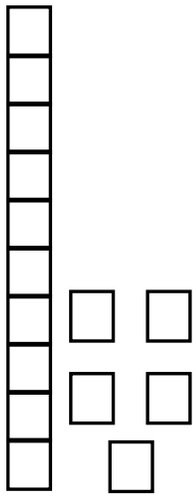
5 x 11 = ___



2 x 12 = ___



1 x 15 = ___



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

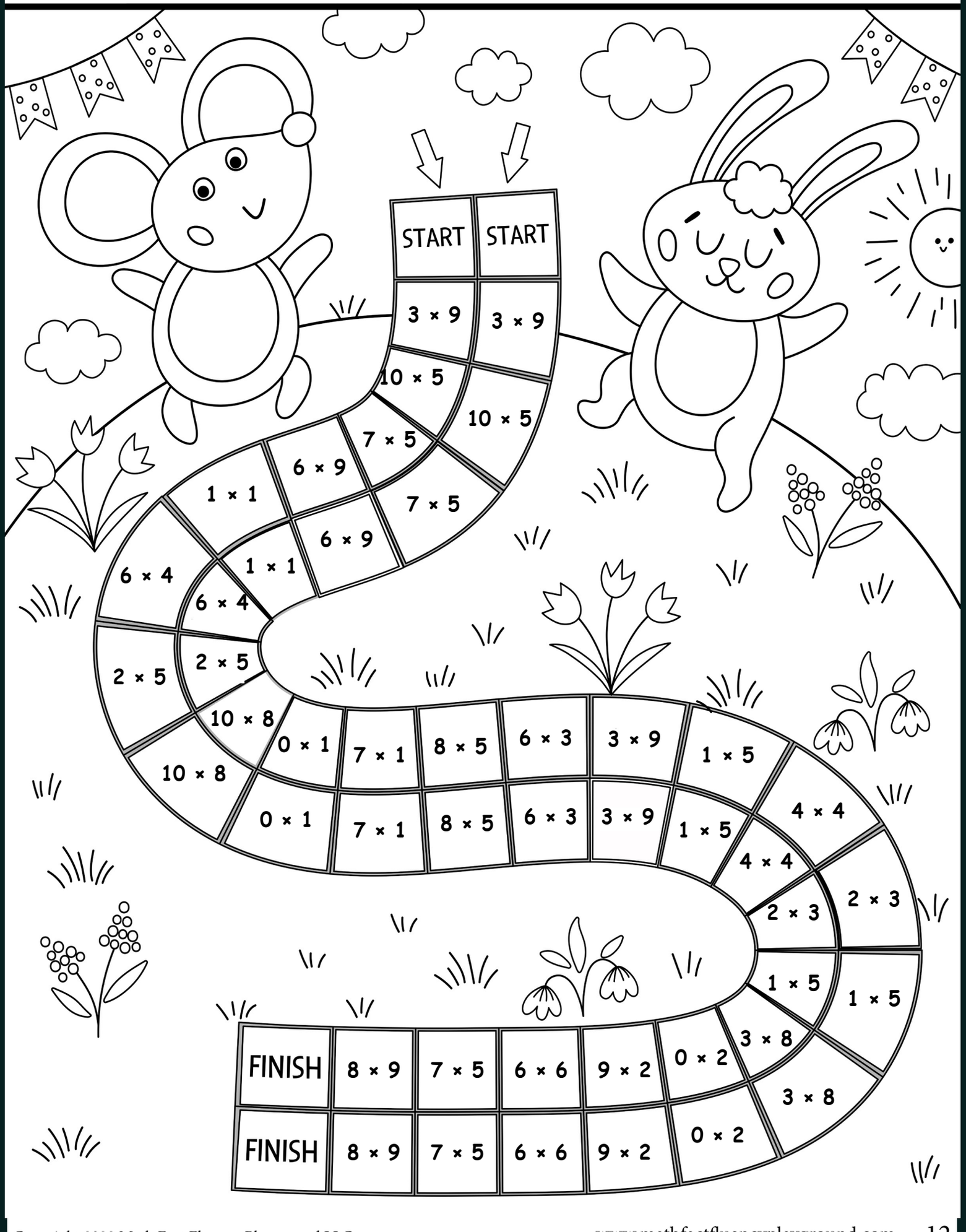
12×3	12×9	12×1
12×4	12×10	12×2
12×7	12×6	12×5

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.

MULTIPLICATION BOARD GAME

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

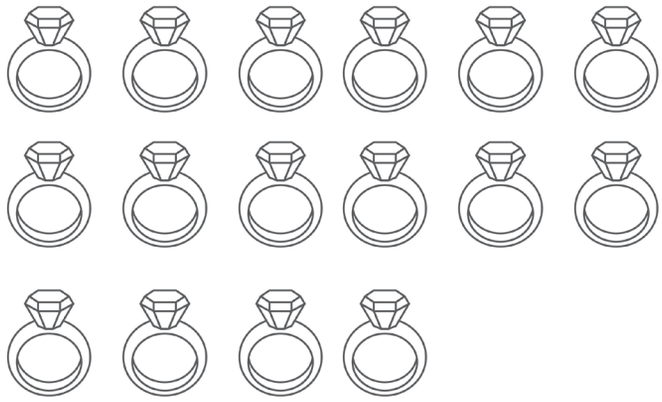


VISUALIZING REMAINDERS

Hong had 9 marbles. He put 7 in a box. How many boxes did he use?How many marbles did he have left over?

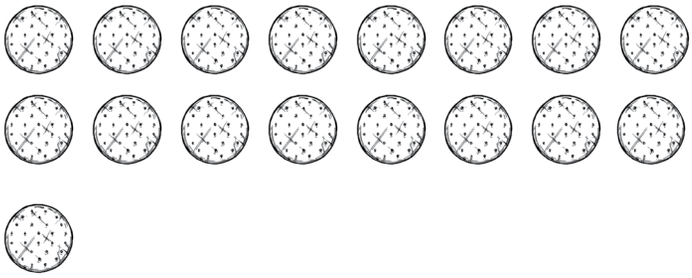
ANSWER:

Maribel had 16 rings. She put 6 in a box. How many boxes did she use? How many did she have left over?



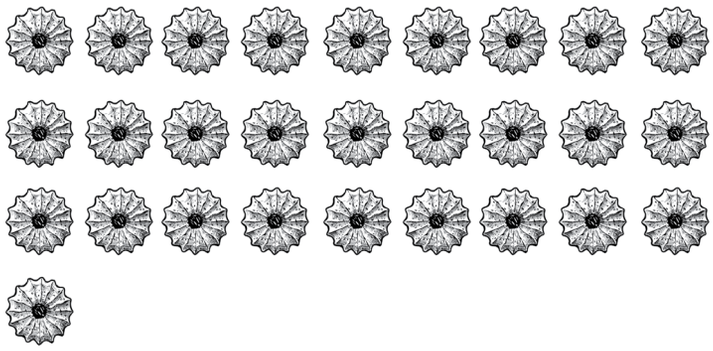
ANSWER:

The bakery made 17 cookies. They put 8 in a box. How many boxes did they use? Did they have any cookies left over?



ANSWER:

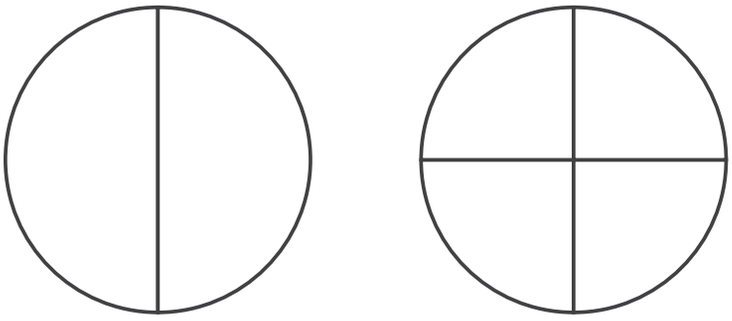
The bakery made 28 cookies. They put 9 in a box. How many boxes did they use? Did they have any cookies left over?



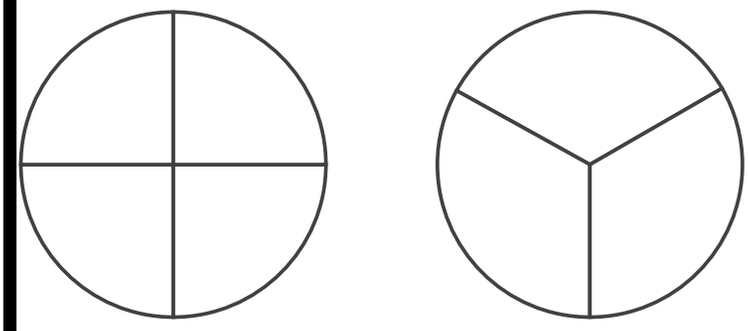
ANSWER:

COLOR AND COMPARE

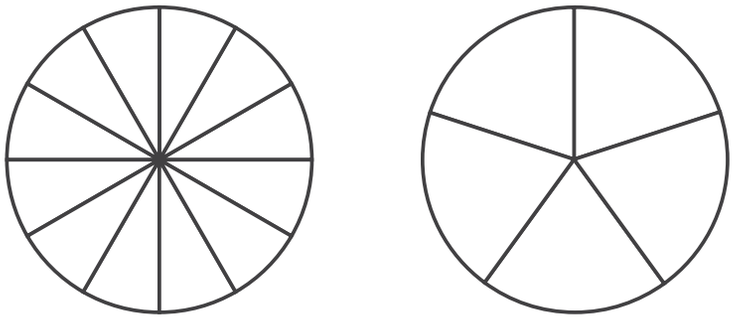
USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.



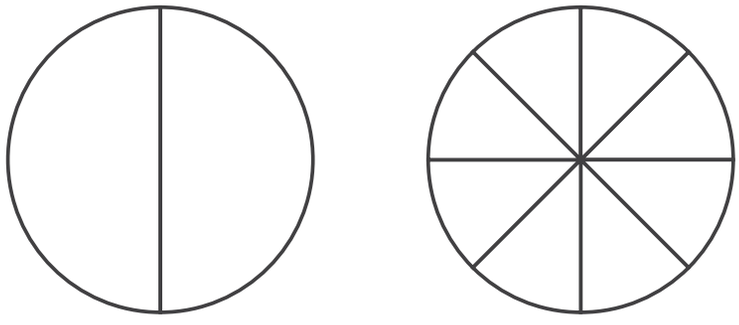
$\frac{1}{2} \square \frac{1}{4}$



$\frac{3}{4} \square \frac{1}{3}$



$\frac{6}{12} \square \frac{3}{5}$

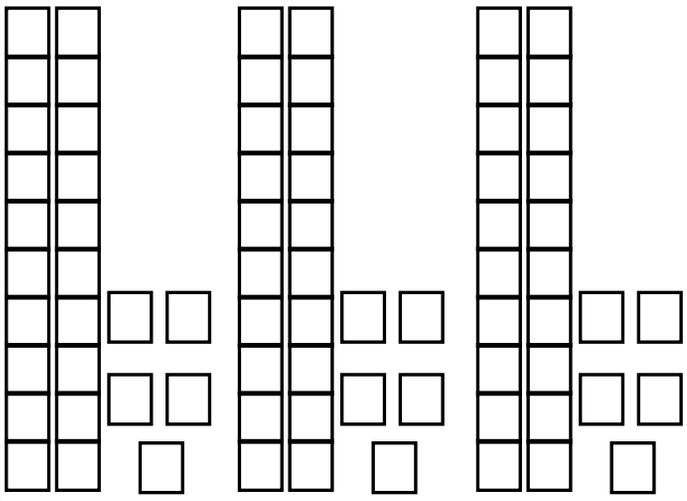


$\frac{1}{2} \square \frac{6}{8}$

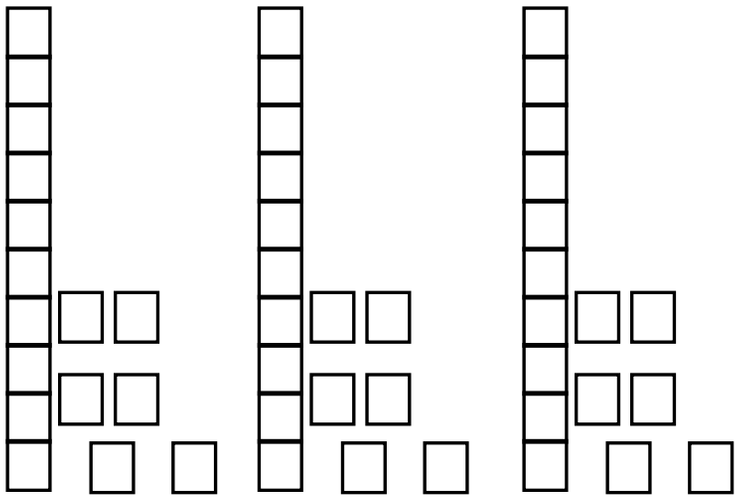
VISUALIZING MULTIPLYING

USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.

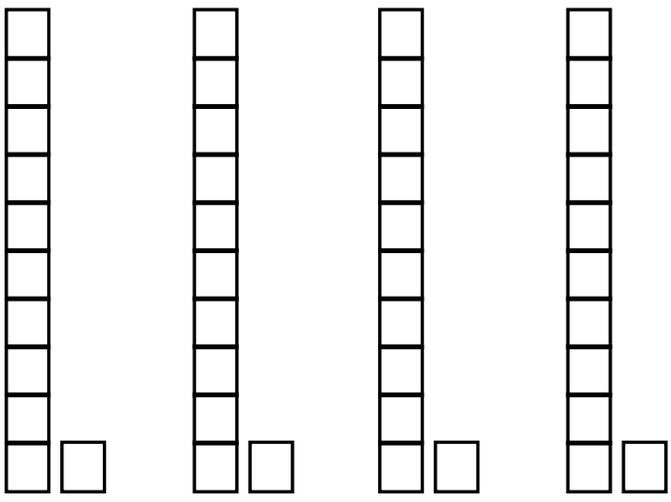
3 x 25 = ___



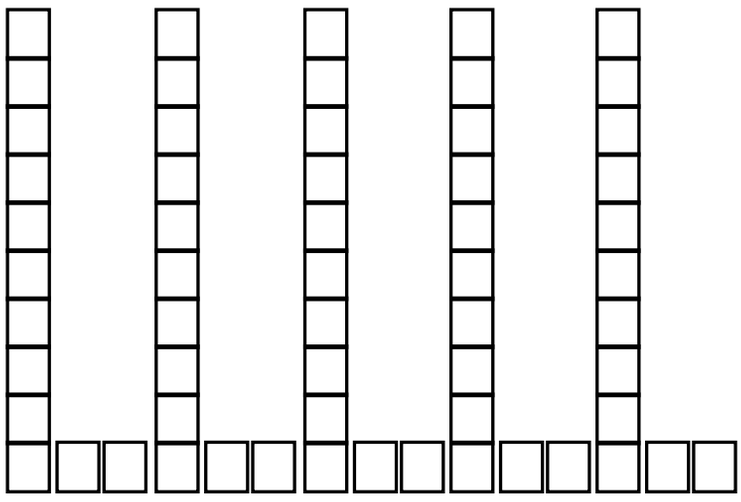
3 x 16 = ___



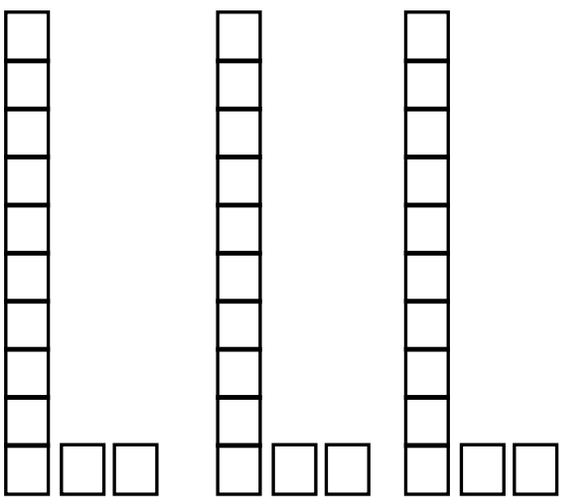
4 x 11 = ___



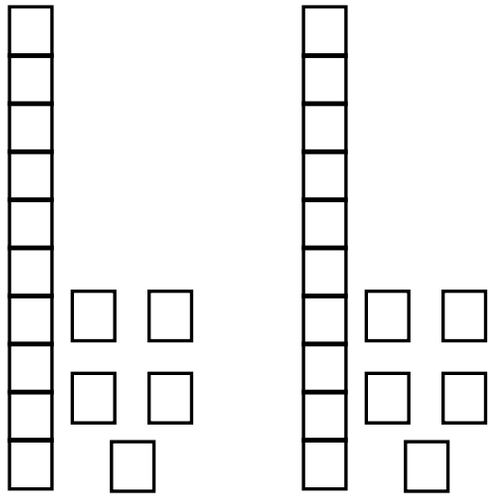
5 x 12 = ___



3 x 12 = ___



2 x 15 = ___



SUMMER MATH SURVEY!

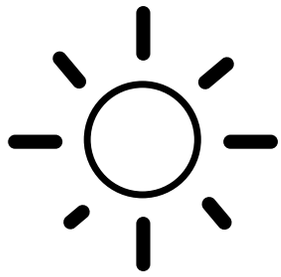
Q1: What was your favorite math activity in this packet?

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

Q3: What do you need to continue to practice?

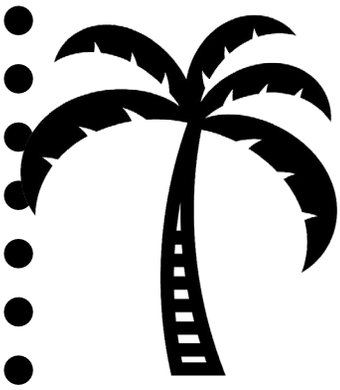
Q4: How do you feel about math?



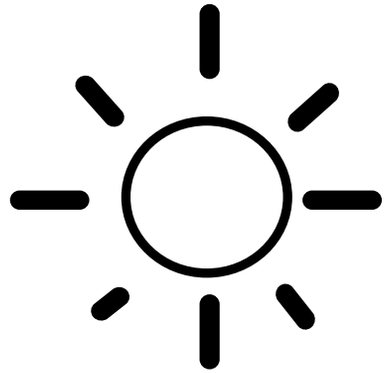


THE END

HOPE YOU HAD A GREAT SUMMER!



WOOHOO!



You did it!

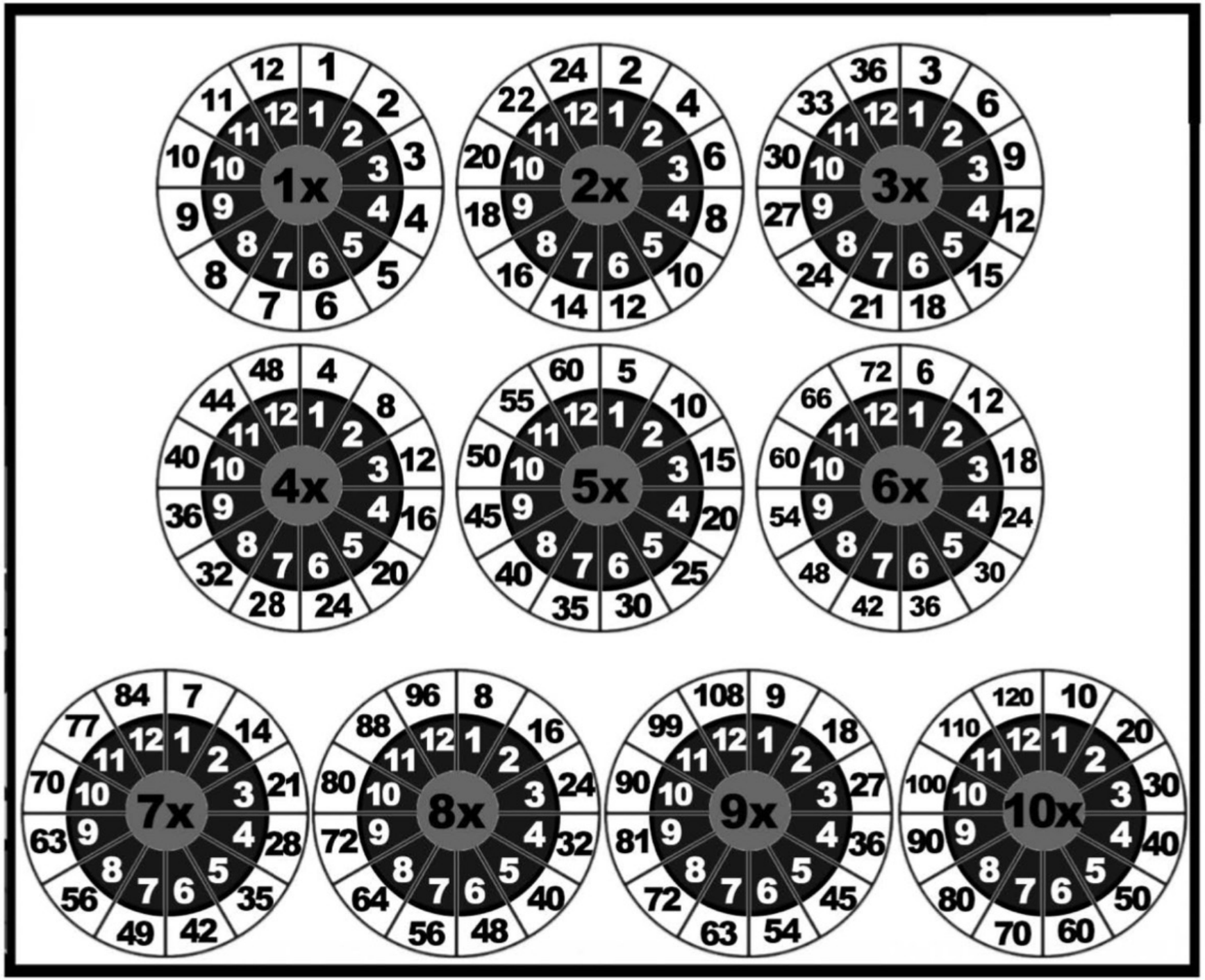
You have finished the summer packet!

CONGRATULATIONS TO YOU!

ANSWER KEY

WEEK 1 & 2 (Multiplication and Division Answers)

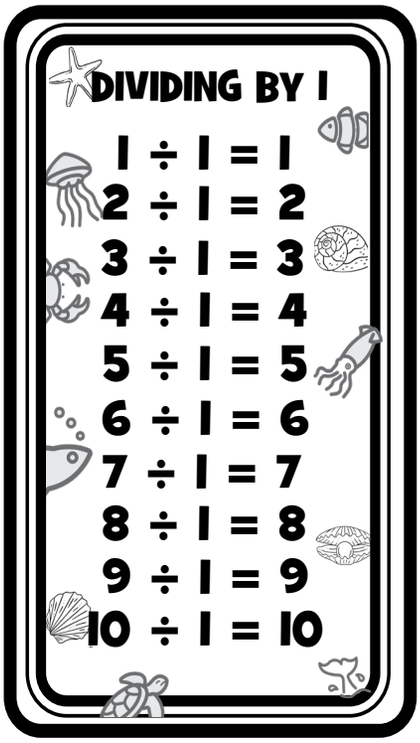
MULTIPLICATION CIRCLES TO 10



Multiplication

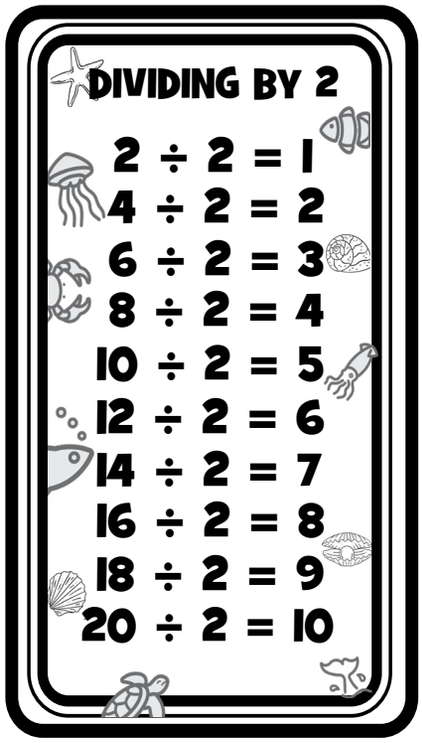
X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	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



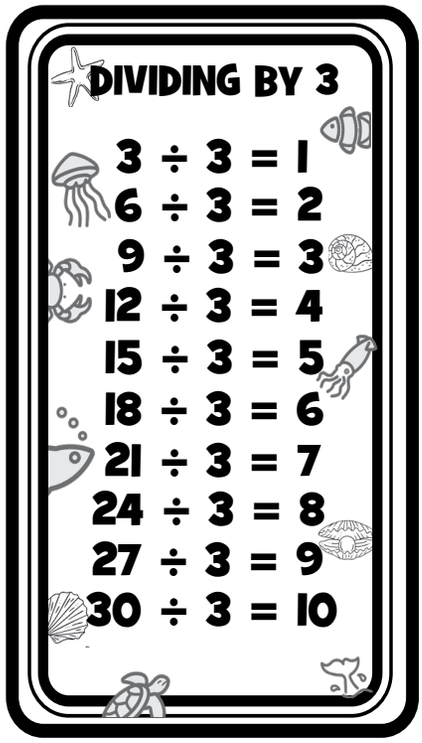
DIVIDING BY 1

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



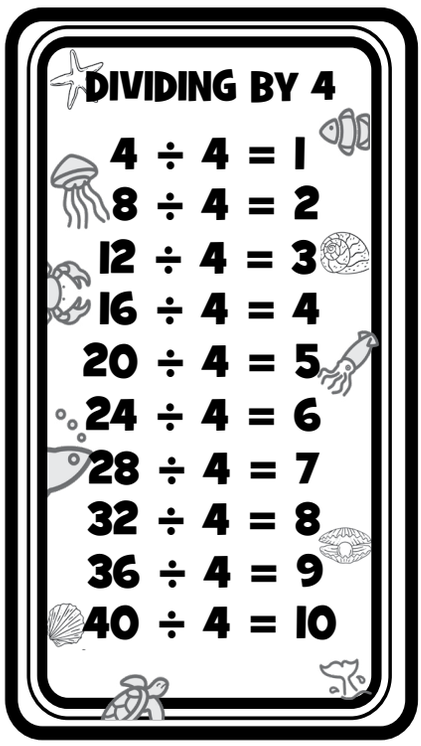
DIVIDING BY 2

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



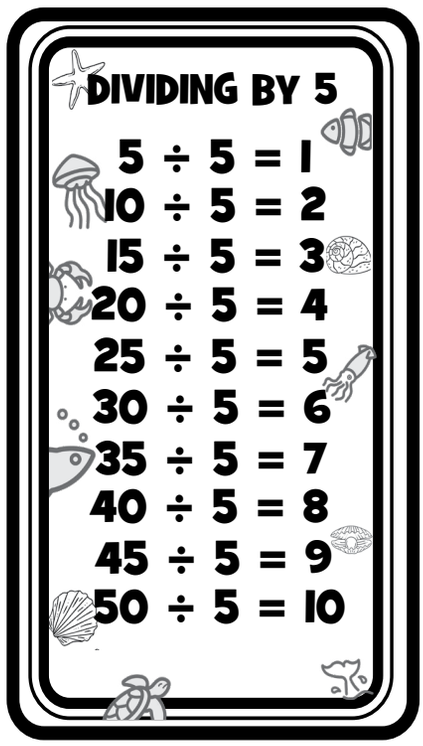
DIVIDING BY 3

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

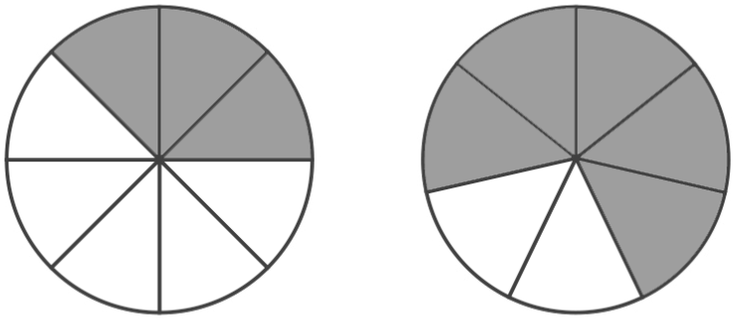
10 ÷ 10 = 1
20 ÷ 10 = 2
30 ÷ 10 = 3
40 ÷ 10 = 4
50 ÷ 10 = 5
60 ÷ 10 = 6
70 ÷ 10 = 7
80 ÷ 10 = 8
90 ÷ 10 = 9
100 ÷ 10 = 10

WEEK 1

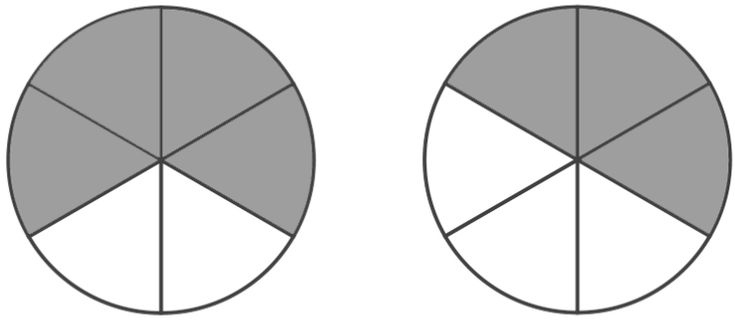
COLOR AND COMPARE

USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.

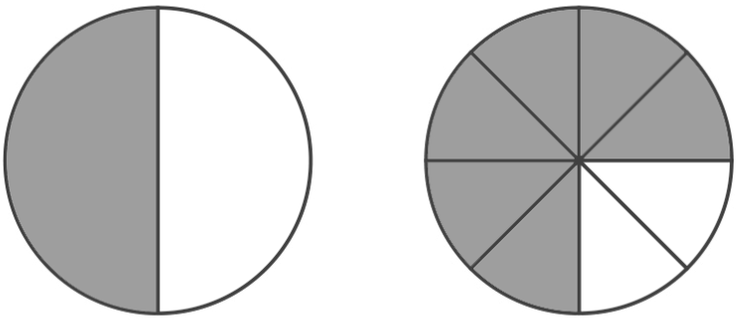
<, > , =



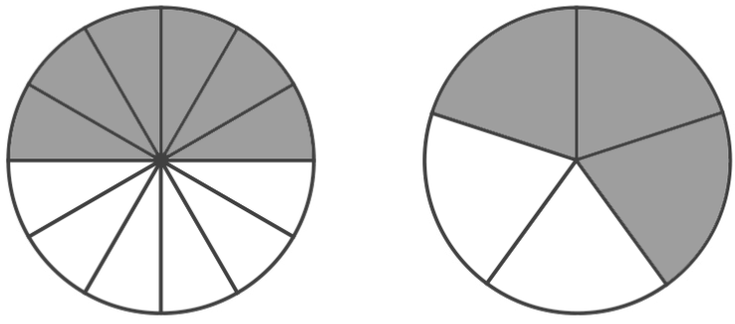
$\frac{3}{8} < \frac{5}{7}$



$\frac{4}{6} > \frac{3}{6}$



$\frac{1}{2} < \frac{6}{8}$

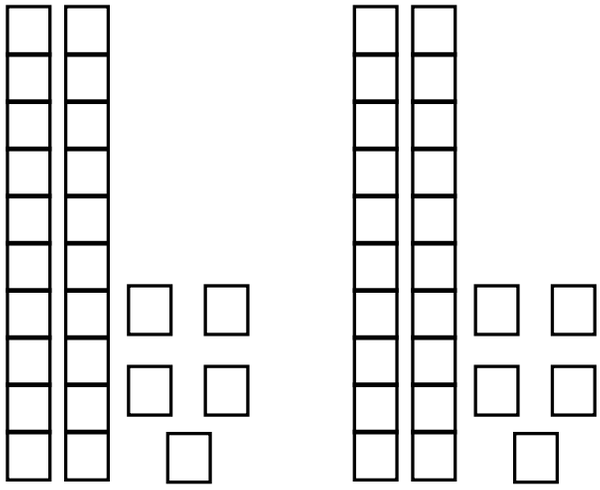


$\frac{6}{12} < \frac{3}{5}$

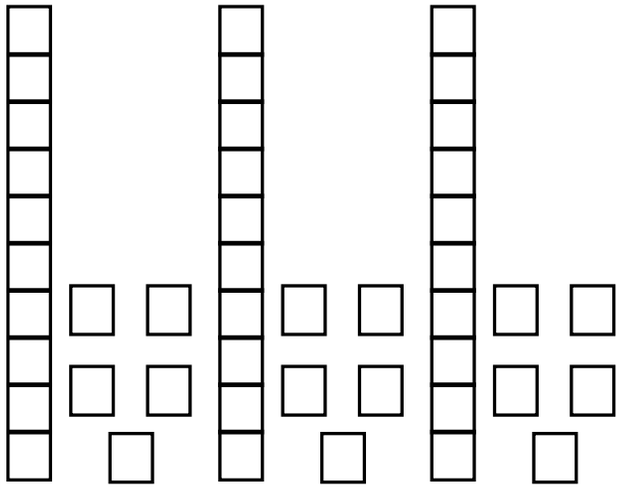
VISUALIZING MULTIPLYING

USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.

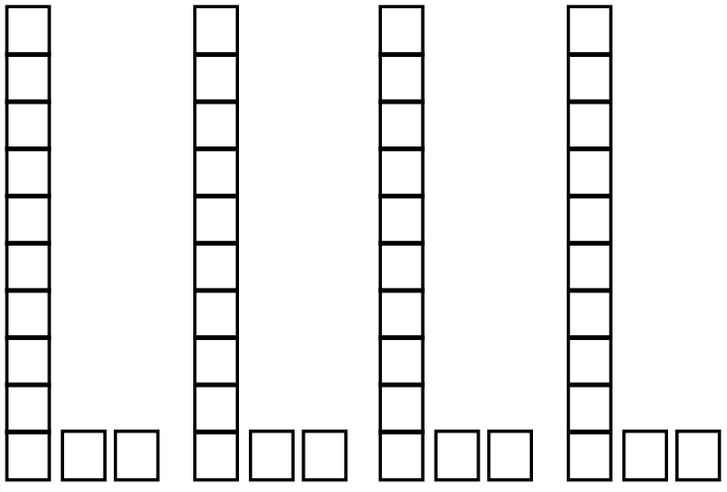
2 x 25 = 50



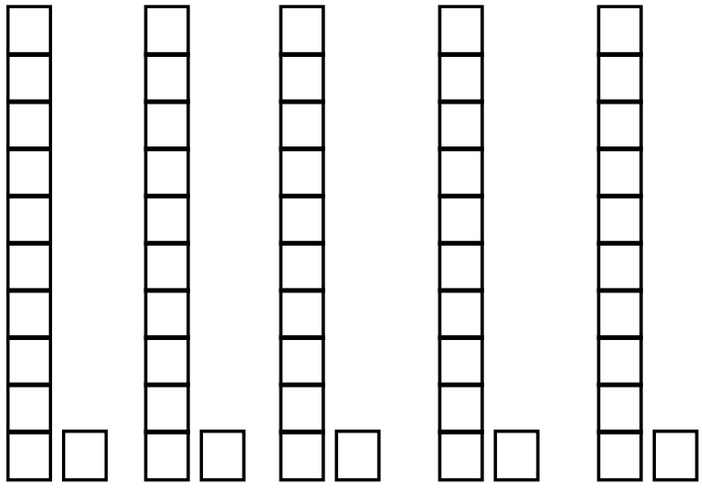
3 x 15 = 45



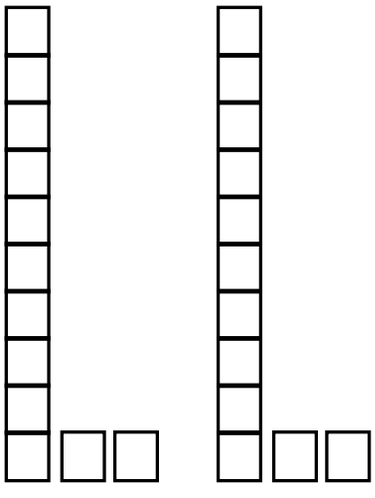
4 x 12 = 48



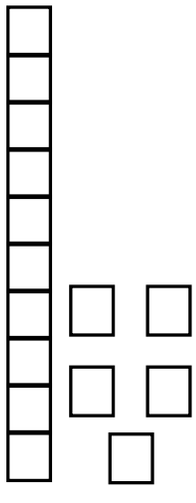
5 x 11 = 55



2 x 12 = 24



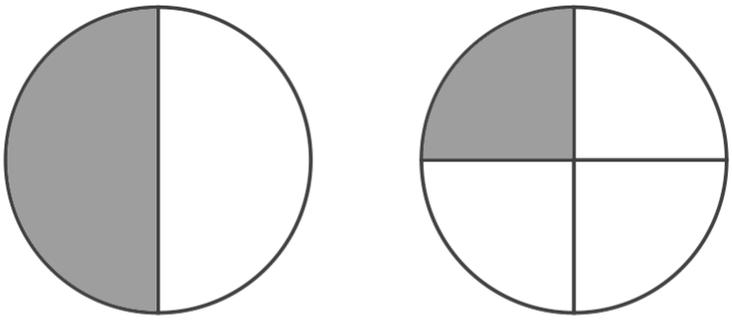
1 x 15 = 15



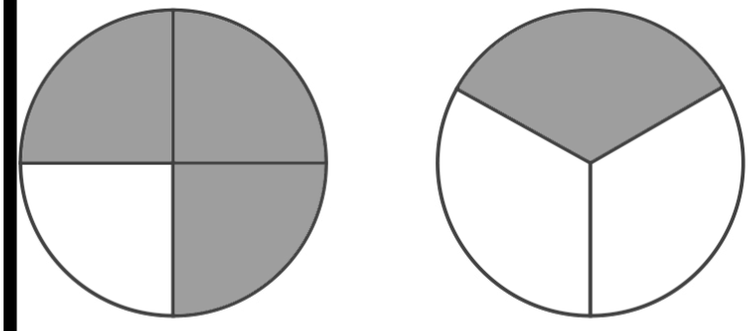
WEEK 2

COLOR AND COMPARE

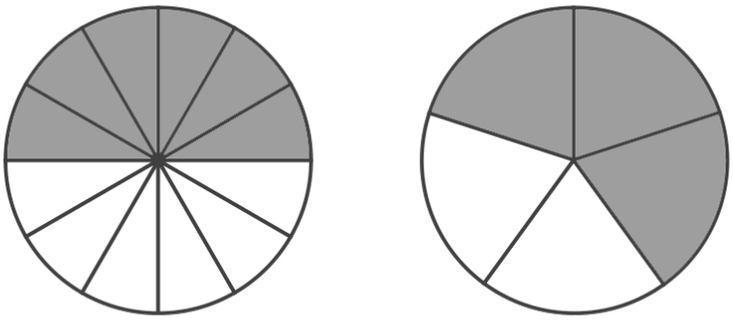
USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.



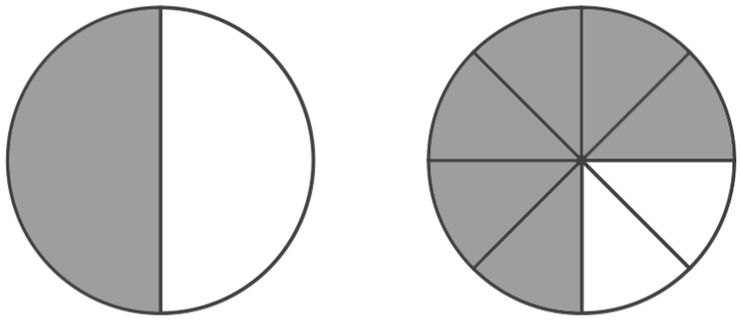
$\frac{1}{2} > \frac{1}{4}$



$\frac{3}{4} > \frac{1}{3}$



$\frac{6}{12} < \frac{3}{5}$

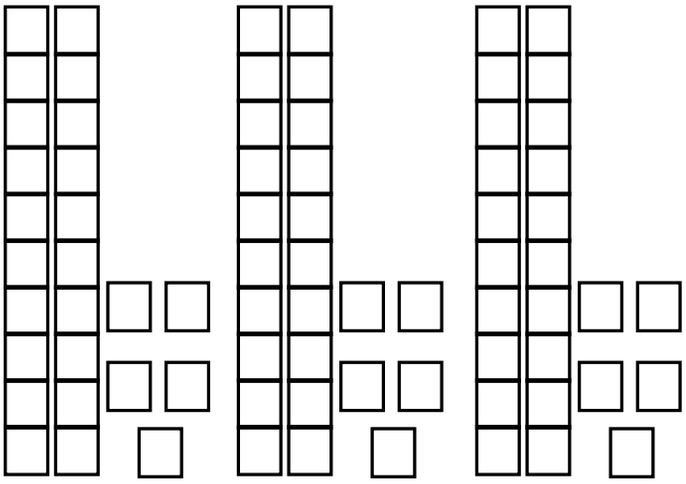


$\frac{1}{2} < \frac{6}{8}$

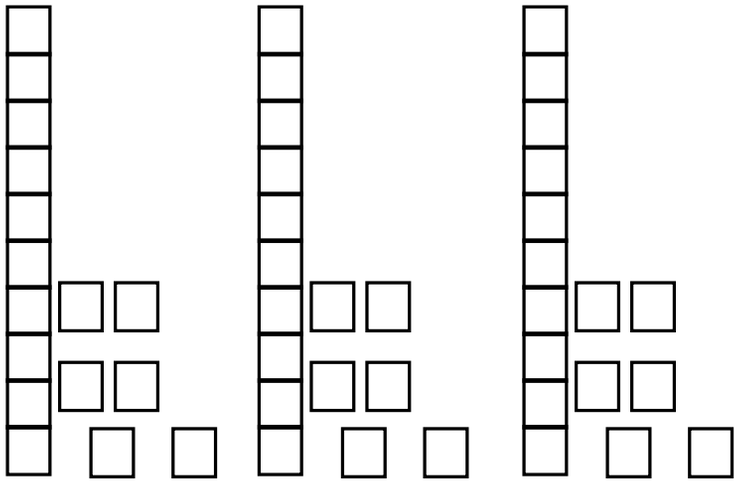
VISUALIZING MULTIPLYING

USE THE MODELS TO VISUALIZE AND SOLVE THE PROBLEMS.

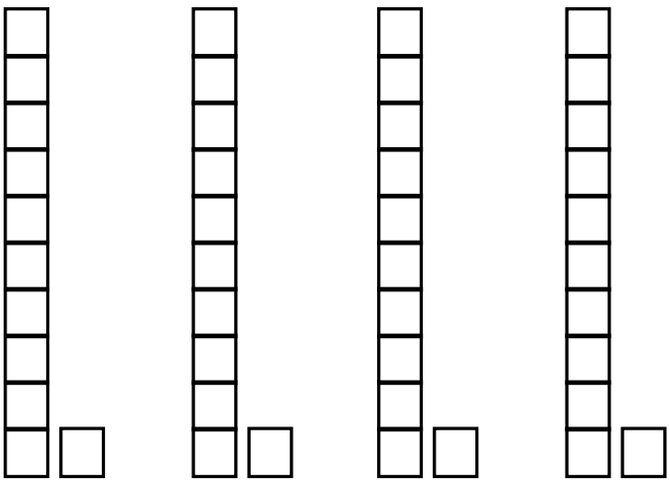
3 x 25 = 75



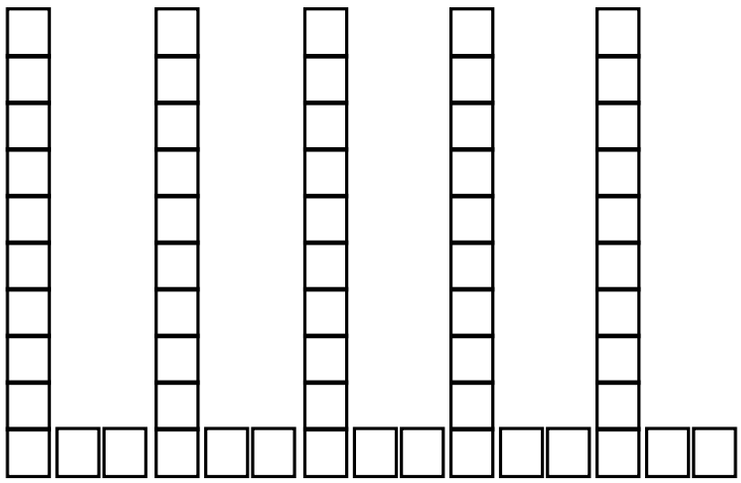
3 x 16 = 48



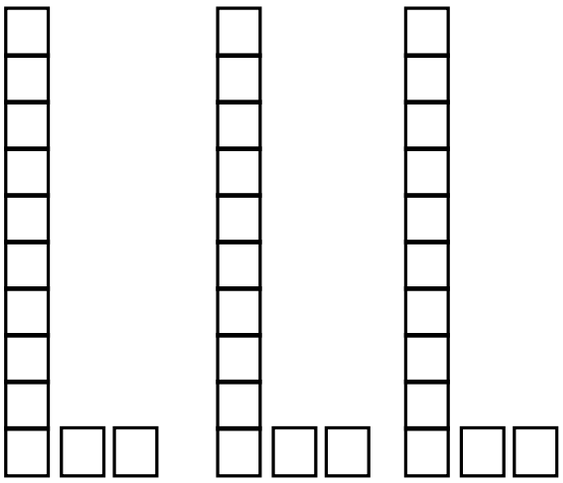
4 x 11 = 44



5 x 12 = 60



3 x 12 = 36



2 x 15 = 30