Are you ready to

Mission 6

Equal Groups

Name:_____

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Fourth Edition

Name:_____

Weekly Goal Tracker

Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
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Name:_____

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Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:
Week of:	My goal is to earn badges for lessons: _____ _____ _____ _____	Teacher Signature:

Name:_____

Mission 6: Workbook Checklist

1. Equal Groups Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

2. Add, Repeat, Complete! Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

4. Equal Groups, Equal Tapes Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

5. Groups to Array Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

6. A Row, a Column, Array Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

7. Hooray Array! Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

9. Array Addition Date:_____ Teacher Signature:_____

Story Time: ○ **Notes** ○ **Exit Ticket**

10. Tile Time Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

12. Step-by-Step Arrays Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

13. Breaking Down Arrays Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

14. Array Builder Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

15. Repeated Rows Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

17. Even Doubles Date:_____ Teacher Signature:_____

Learning Lab: ○ **Exit Ticket**

18. Doubly Even Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

19. Odds and Evens Date:_____ Teacher Signature:_____

Math Chat: ○ **Notes** ○ **Exit Ticket**

20. Even Your Odds Date:_____ Teacher Signature:_____

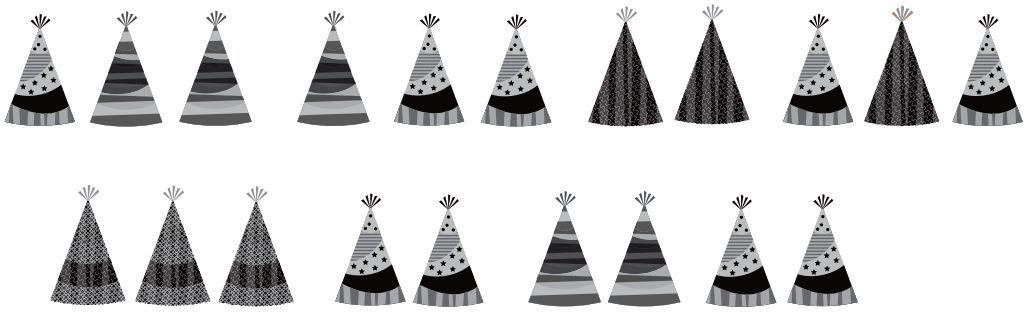
Learning Lab: ○ **Exit Ticket**

Lesson 1 G:2 M:6	EXIT TICKET

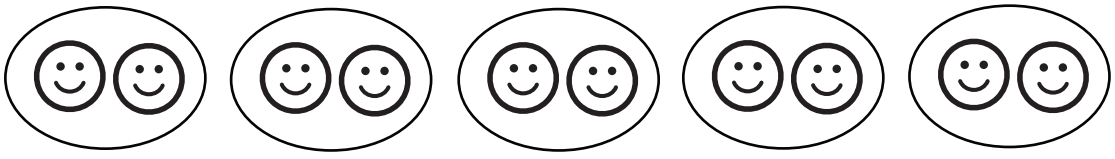
Name:_____ **Date:**_____

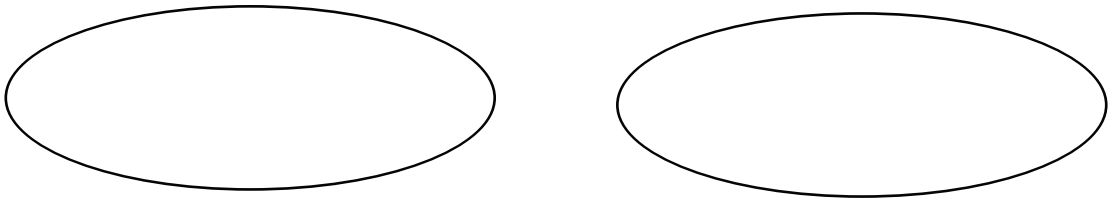
Complete: ☐ **Class:**_____

1. Circle groups of 4 hats.



2. Redraw the smiley faces into 2 equal groups.





2 groups of _____ = _____.

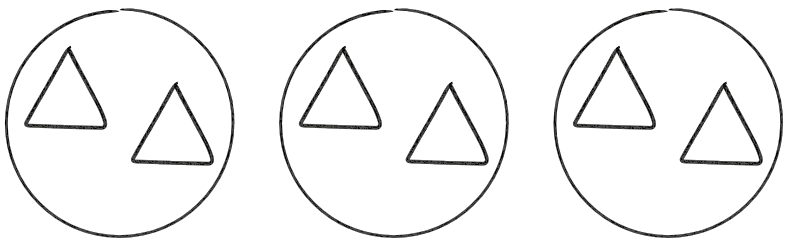
Lesson 2 G:2 M:6	Add, Repeat, Complete!
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1

SHOW YOUR WORK



_____ + _____ + _____ = _____

3 groups of _____ = _____

2 Mr. Sawicki sorts his socks by color. He has 4 red socks, 4 yellow socks, 4 green socks, and 4 blue socks.

How many socks does Mr. Sawicki have in all?

YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

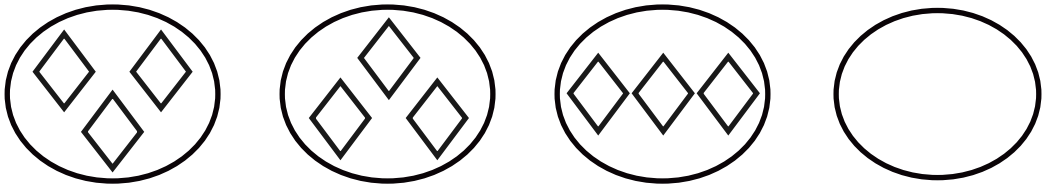
EXTRA WORKSPACE

Lesson 2 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw 1 more equal group.



_____ + _____ + _____ + _____ = _____

4 groups of _____ = _____

2. Draw 2 groups of 3 stars. Then, write a repeated addition equation to match.

SHOW YOUR WORK

Lesson 4 G:2 M:6	Equal Groups, Equal Tapes
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Draw a tape diagram that shows 3 groups of 4.

Write the repeated addition sentence that shows the total.

YOUR TAPE DIAGRAM

YOUR REPEATED ADDITION SENTENCE

_____ + _____ + _____ = _____

2 In Maria's garden, there are 3 white flowers, 3 yellow flowers, 3 pink flowers, 3 red flowers, and 3 orange flowers.

How many flowers are there in all?

YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

EXTRA WORKSPACE

Lesson 4 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw a tape diagram to find the total.

a. ★★★★ ★★★★ ★★★★

b. 3 groups of 3

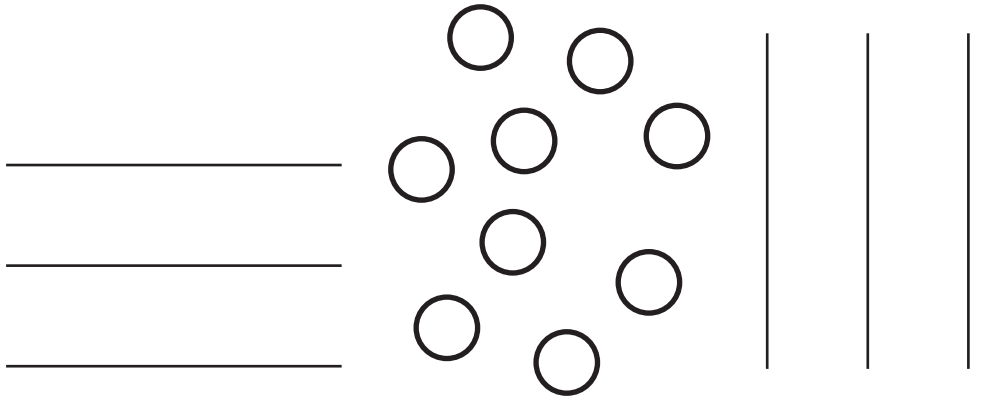
c. 2 + 2 + 2 + 2 + 2

Lesson 5 G:2 M:6	EXIT TICKET

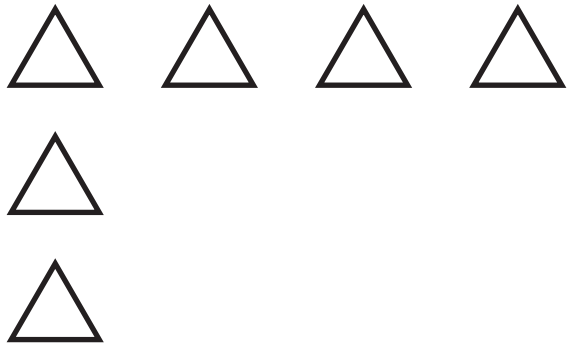
Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Circle groups of three. Redraw groups of three as rows and then as columns.



2. Complete the array by drawing more triangles. The array should have 12 triangles in all.



Lesson 6 G:2 M:6	A Row, a Column, Array
	ZEARN STUDENT NOTES

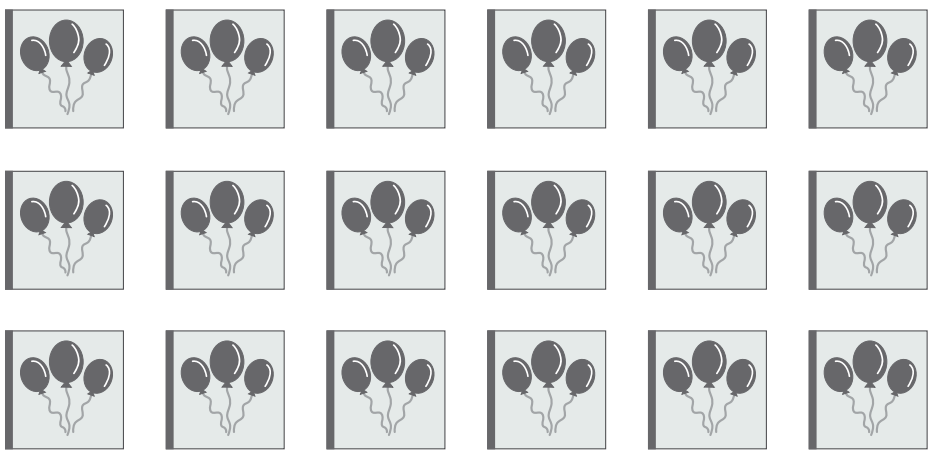
Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Circle each column of invitations.

Write a number sentence to find the total number of invitations. Then solve.

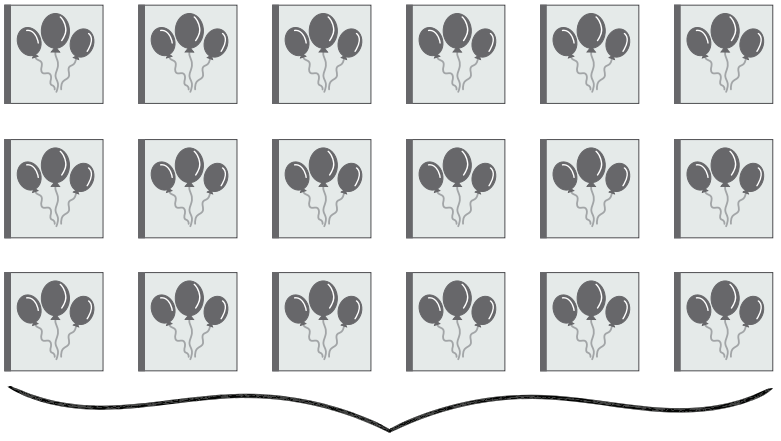
SHOW YOUR WORK



_____ + _____ + _____ + _____ + _____ + _____ = _____

2 Draw 1 more column.

How many invitations are there now?



18 + _____ = _____

Now there are _____ invitations.

EXTRA WORKSPACE

Lesson 6 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Use the array to answer the questions below.

a. _____ rows of _____ = _____

b. _____ columns of _____ = _____

c. _____ + _____ + _____ + _____ = _____

d. Add 1 more row. How many stars are there now? _____

e. Add 1 more column to the new array you made in (d). How many stars are there now? _____

Lesson 7 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Use horizontal and vertical lines to separate the rows or columns.

1. Draw an array of X's with 3 rows of 5.

_____ + _____ + _____ = _____

3 rows of 5 = _____

2. Draw an array of X's with 1 more row than the above array. Write a repeated addition equation to find the total number of X's.

Lesson 9 G:2 M:6	Array Addition
	ZEARN STUDENT NOTES

Name:_____ Date:_____

Complete: ☐ Class:_____

1 Braydon ate 4 cherries each in the morning, in the afternoon, and in the evening.

How many cherries did Braydon eat altogether?

YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

EXTRA WORKSPACE

Lesson 9 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Draw a tape diagram or an array for each word problem. Then, write a repeated addition equation to match.

1. Olivia cleans 3 cars every hour at work. She worked 4 hours on Saturday. How many cars did Olivia clean on Saturday?

SHOW YOUR WORK

2. Joshua put 5 stickers on each page in his sticker album. He filled 5 pages with stickers. How many stickers did Joshua use?

SHOW YOUR WORK

Lesson 10 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

On this sheet, use square tiles to construct the following arrays with no gaps or overlaps. Write a repeated addition equation to match your construction.

1.

a. Construct a rectangle with 2 rows of 5 tiles.

SHOW YOUR WORK

b. Write the repeated addition equation:

_____

2.

a. Construct a rectangle with 5 columns of 2 tiles.

SHOW YOUR WORK

b. Write the repeated addition equation:

_____

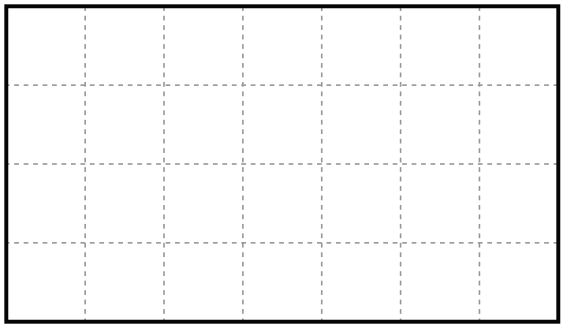
Lesson 12 G:2 M:6	Step-by-Step Arrays
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Create an array with 2 rows of 3.

YOUR NUMBER SENTENCE



2 rows of 3 = _____

3 + 3 = _____

Square tile

2 Create an array without a square tile.

YOUR NUMBER SENTENCE

_____ rows of _____ = _____

_____ + _____ + _____ = _____

EXTRA WORKSPACE

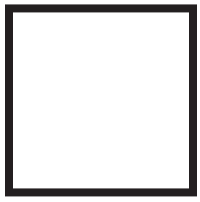
Lesson 12 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw an array of 3 columns of 3, without gaps or overlaps, starting with the square below.

SHOW YOUR WORK



Lesson 13 G:2 M:6	Breaking Down Arrays
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Draw an array with 4 rows of 5 squares.

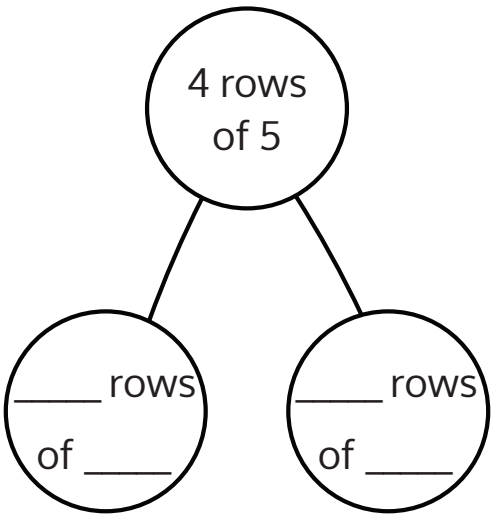
YOUR DRAWING

YOUR NUMBER SENTENCE

4 rows of 5 = _____

____ + ____ + ____ + ____ = ____

YOUR NUMBER BOND



2 Ms. Johnson bakes a square pan of crumb cake, which she cuts into nine equal pieces. Her sister eats 1 row of the pan. Then, her mom eats 1 column.

How many pieces are left?

YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

EXTRA WORKSPACE

Lesson 13 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Use square tiles to complete the steps for each problem.

   Step 1: Construct a rectangle with 3 columns of 4.

   Step 2: Separate 2 columns of 4.

   Step 3: Write a number bond to show the whole and two parts.

   Step 4: Write a repeated addition sentence to match each part of the number bond.

SHOW YOUR WORK

Lesson 14 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. With tiles, show 1 rectangle with 12 squares. Complete the sentences below.

SHOW YOUR WORK

I see _____ rows of _____.

In the exact same rectangle, I see _____ columns of _____.

Lesson 15 G:2 M:6	Repeated Rows
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Ms. Johnson is filling a muffin pan with batter. She fills 2 columns of 4. One column of 4 is left empty when she bakes the muffins.

How many muffins does Ms. Johnson make?

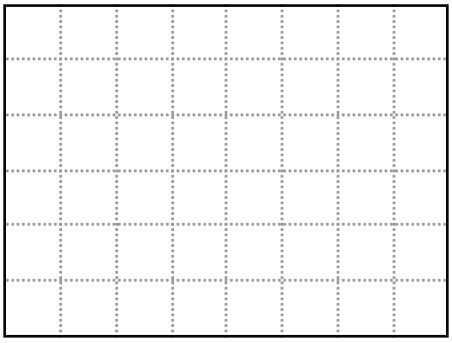
YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

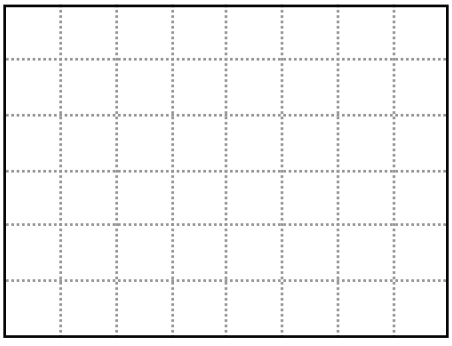
2 Start in the upper left corner.

Shade in an array with 2 rows of 3 using the grid.



3 Start in the upper left corner.

Shade in an array with 5 columns of 4 using the grid.



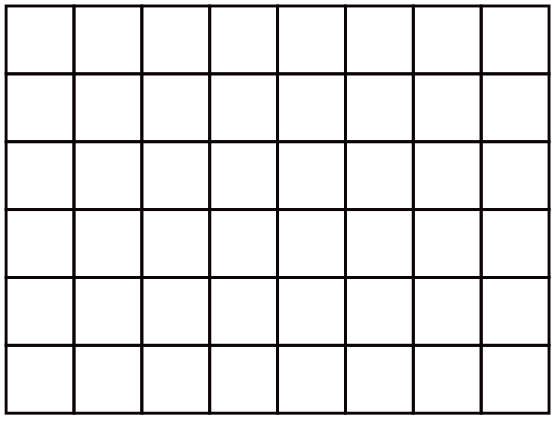
EXTRA WORKSPACE

Lesson 15 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Shade in an array with 3 rows of 5.



Write a repeated addition equation for the array.

_____

Lesson 17 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Draw an array for each set. Complete the sentences.

   a. 2 rows of 5

   2 rows of 5 = _____

   _____ + _____ = _____

   Circle one: 5 doubled is even / not even.

   b. 2 rows of 3

   2 rows of 3 = _____

   _____ + _____ = _____

   Circle one: 3 doubled is even / not even.

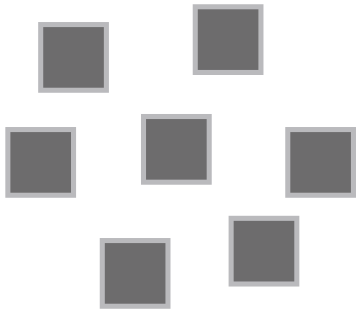
Lesson 18 G:2 M:6	Doubly Even
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Circle pairs to determine if 7 is even or not even.

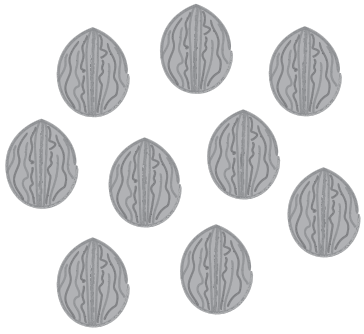
Then circle *even* or *not even*.



7 is even / not even

2 There are 9 walnuts.

Circle pairs to determine if 9 is even or not even.



9 is even / not even

3

Eggs come in cartons of 12.

Use pictures, numbers, or words to explain whether 12 is even or not even.

YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

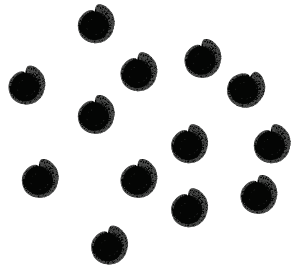
EXTRA WORKSPACE

Lesson 18 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

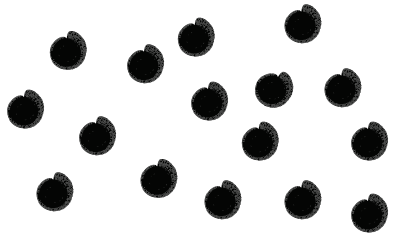
Complete: ☐ **Class:**_____

Redraw the following sets of dots as columns of two or 2 equal rows.

1. 

There are _____ dots.

Is _____ an even number? _____

2. 

There are _____ dots.

Is _____ an even number? _____

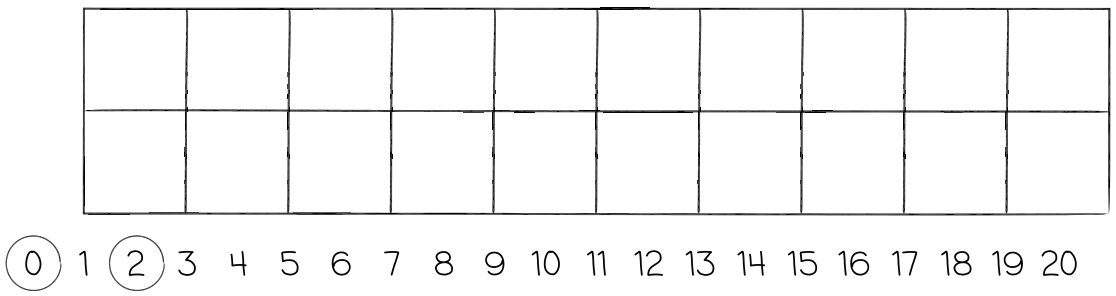
Lesson 19 G:2 M:6	Odds and Evens
	ZEARN STUDENT NOTES

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1 Circle all the even numbers below the array. The first two have been done for you.

SHOW YOUR WORK



2 Eggs come in cartons of 12. Ms. Joseph used 1 egg.

Is the number of eggs left even or odd?

YOUR DRAWING

YOUR NUMBER SENTENCE

YOUR WORD SENTENCE

EXTRA WORKSPACE

Lesson 19 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

1. Are the **bold** numbers even or odd? Circle the answer, and explain how you know.

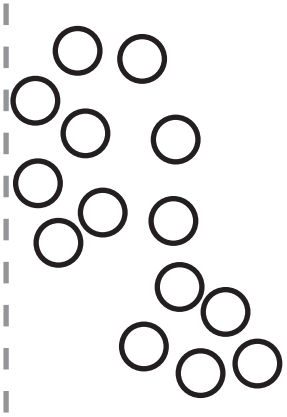
	EXPLANATION
a. **18** even / odd	_____ _____ _____ _____
b. **23** even / odd	_____ _____ _____ _____

Lesson 20 G:2 M:6	EXIT TICKET

Name:_____ **Date:**_____

Complete: ☐ **Class:**_____

Use the objects to create an array.



Array

There are an even / odd (circle one) number of circles.

Redraw your picture with 1 *less* circle.

There are an even / odd (circle one) number of circles.

Congratulations!

You completed

Grade 2 Mission 6

Equal Groups

Name _____ Date _____

Zearned it!