

American Math Homework Week 10/16 - 10/20

HMH Chapter 4 Vocabulary Words

- Even
- Odd
- Equation
- Repeat
- Arrays
- Bar Model - Part+Part=Whole
- Whole-Part=Part
- sum
- difference

A Note From Ms. Varela

Students have been given extra resources to practice and review the curriculum covered in class.

This is optional, not graded.

- HMH interactive student edition. In HMH, click the 3 line guide at the top left and select Discovery to access all the book chapters.
- Cinemath.
- Reteach extra practice, available in the archie account, in the resources tab.

Newsletter

Follow the steps to obtain the weekly **Newsletter** to learn about upcoming events and class information.

1. Log onto sis.archimedean.org
2. Click on the Newsletter tab on the top of the page
3. Click on the link for elementary
4. Follow this link to second grade
5. Click on your child's homeroom section.

Homework

Chapter 4 test postponed until Wednesday, October 18th. Next week, scholars will begin Chapter 5.

Monday	Even and Odd
Tuesday	Equal Groups
Wednesday	Arrays
Thursday	Repeated Addition
Friday	Solve word problems Part 1
	Solve word problems Part 2

The IXL, HMH and Sumdog credentials are stapled in the green folder. IXL/HMH/Sumdog may be accessed in a desktop computer.

Represent even and odd numbers



Warm up

Add the doubles.

1. $2 + 2 =$ _____

2. $5 + 5 =$ _____

3. $6 + 6 =$ _____

4. $8 + 8 =$ _____

5. **Think and talk:** What do you notice about the sums? What do you think would happen if you added another pair of doubles?



Learn

Shade to see if each number is even or odd. Then write a doubles fact.

6. Show 8.

even odd

$8 =$ _____ $+$ _____

7. Show 14.

even odd

$14 =$ _____ $+$ _____

8. **Think and talk:** You cannot write a doubles fact for 9. Use the model to show why not.

What kind of numbers have doubles facts? What kind of numbers do not have doubles facts?

9. Write a near-doubles fact for 9.

$9 =$ _____ $+$ _____ $+$ _____

10. Is 5 even or odd?

even odd

Write a doubles or near-doubles fact for 5.

$5 =$ _____

11. Kimi made 16 cookies to give to her sisters. She split the cookies into 2 equal groups and put them in gift bags.

Write an addition sentence to find how many cookies Kimi put in each bag.

$16 =$ _____



How many cookies did Kimi put in each bag? _____ cookies

Name: _____

 Practice

Complete the sentence with **even** or **odd**. Then write a doubles or near-doubles fact for the number.

12. The number 11 is _____.

11 = _____

13. The number 20 is _____.

20 = _____

14. The number 7 is _____.

7 = _____

15. The number 2 is _____.

2 = _____

16. Kimi wants to put space stickers in the cookie bags for her sisters. She splits 10 stickers into 2 equal groups.

Write an addition sentence to find how many stickers Kimi puts in each bag.



10 = _____

How many stickers does Kimi put in each bag? _____ stickers

17. ★ is a mystery number between 1 and 100.

Is $\star + \star + 1$ even or odd? Explain how you know.



Equal groups

Name: _____

Warm up

1. Circle pairs of socks.



Is the number of socks even or odd? _____

How many pairs did you make? _____

How many socks are there in all? _____

Learn

2. Levi is making 3 picture frames. He needs 4 popsicle sticks for each frame. Draw to show how many popsicle sticks Levi needs in all.

Complete the sentences.

There will be _____ frames.

Levi needs _____ popsicle sticks for each frame.

Levi needs _____ popsicle sticks in all.

Name: _____

3. Next Levi needs 5 stickers for each of his 3 frames. Draw to show how many stickers Levi needs in all.

Complete the sentences.

There are _____ frames. Levi needs _____ stickers for each frame. Levi needs _____ stickers in all.

Complete the repeated addition sentence.

_____ + _____ + _____ = _____

Describe the groups. Then write a repeated addition sentence.



4 groups of _____ squares

_____ + _____ + _____ + _____ = _____



_____ groups of _____ dots

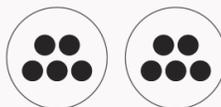
Name: _____

6. Think and talk: Dalton and Jacob are writing a repeated addition sentence. Do you agree with Dalton or Jacob? Why?



Dalton

The groups show $5 + 5 = 10$.



I don't think that is right. That is a doubles fact, not repeated addition.



Jacob

Practice

Describe the groups. Then write a repeated addition sentence.

7. Annie is making felt flowers. She needs three leaves for each flower.



_____ groups of _____ leaves

8.



_____ groups of _____ triangles

Name: _____

9.



_____ groups of _____ heart

10. Eric is making 4 bookmarks. He needs 3 star stickers for each bookmark. Draw to show how many star stickers Eric needs in all.

Write a repeated addition sentence.

11. Olivia made a mistake writing a repeated addition sentence for #10.

$$4 + 4 + 4 + 4 = 16$$

Help Olivia understand her mistake.



Arrays

Name: _____

Warm up

1. Maya is making a bracelet with buttons. To start, she picks out 4 groups of 3 buttons. Then she lines them up in rows.



Complete the repeated addition sentence to show the groups.



_____ + _____ + _____ + _____ = _____



Complete the sentences.

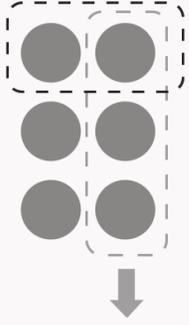


There are 4 groups of _____ buttons.

There are _____ buttons in all.

Learn

2. Fill in the blanks.

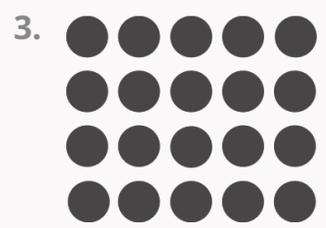


3 rows of _____ is _____.

_____ + _____ + _____ = _____

Name: _____

Describe each array. Then write the repeated addition sentence.



4 rows of _____
 _____ + _____ + _____ + _____ = _____



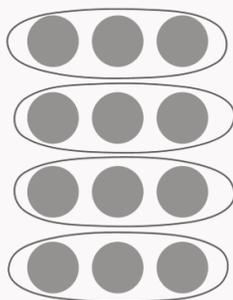
_____ rows of _____
 _____ + _____ = _____

5. Draw an array with 4 rows of 2 dots. Then write a repeated addition sentence.

Name: _____

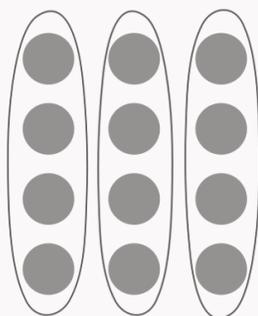
6. Compare and talk: Dustin and Mateo found the total number of dots in two different ways. What is similar about their work? What is different?

Dustin's work



4 rows of 3
 $3 + 3 + 3 + 3 = 12$

Mateo's work



3 columns of 4
 $4 + 4 + 4 = 12$

7. Circle both ways to find the total number of shapes.



$5 + 5$ $5 + 5 + 5$
 $2 + 2 + 2 + 2 + 2$ $2 + 2 + 2 + 2 + 2 + 2$

Name: _____



Describe each array. Then write a repeated addition sentence.

8.



2 rows of _____

9.



3 rows of _____

10. Write both repeated addition sentences for the array.



Draw each array. Then write a repeated addition sentence.

11. 5 rows of 2

12. 4 columns of 3



Next up: EUS and W8T

Lesson
2.5

Name: _____

Repeated addition word problems

Warm up

1. Match each array to its description. Then write a repeated addition sentence.

3 rows of 2
_____2 rows of 4
_____4 rows of 3

Learn

Draw a model. Then write a repeated addition sentence to solve.

2. Luca needs eggs to make muffins. His egg carton has 3 rows. Each row has 5 eggs. How many eggs does Luca have in all?

_____ eggs

Name: _____

3. Luca is ready to fill his muffin pan. The pan has spaces for 3 rows and 4 columns of muffins. How many muffins can the pan hold in all?

_____ muffins



4. The muffins are ready! Luca has 4 plates. He puts 2 muffins on each plate. In all, how many muffins does Luca put on plates?

_____ muffins

Name: _____

5. Luca still has 4 plates, but now he wants to put 5 strawberries on each plate. In all, how many strawberries does Luca put on plates?

Write a repeated addition sentence to solve.

_____ strawberries



 Practice

6. Shannon is sorting her balls of yarn. She lines them up into 2 rows with 5 balls in each row. How many balls of yarn does she line up in all?

Draw a model. Then write a repeated addition sentence to solve.

_____ balls of yarn



Name: _____

Write a repeated addition sentence to solve.

7. Eddie is decorating 5 paper birds. He uses 3 feathers for each bird. How many feathers does Eddie use in all?

_____ feathers



8. Franklin's paint set has 2 rows. There are 4 colors of paint in each row. How many colors of paint are there in all?

_____ colors

9. Carla is making 3 monsters with googly eyes. She needs 3 eyes for each monster. How many eyes does Carla need in all?

_____ eyes



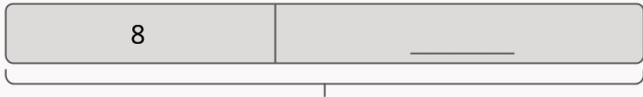
Name: _____

Solve word problems (Part 1)

Warm up

1. Ms. Garcia's class goes to Green Hill Farm. There are 8 kids who have been to the farm before. There are 10 kids who have not. How many kids are in Ms. Garcia's class?

Fill in the strip model to show the story.



Fill in the addition sentence to show the story.

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$



Learn

2. Green Hill Farm has 13 cows. There are 9 brown cows. The rest are spotted. How many of the cows are spotted?

Use a strip model to show the story.



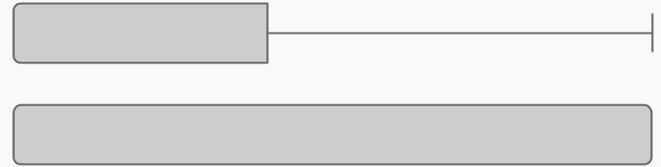
Write an addition and subtraction sentence to show the story.

$$\underline{\quad} + \underline{\quad} = \underline{\quad} \quad \dots \quad \underline{\quad} - \underline{\quad} = \underline{\quad}$$

Name: _____

3. Farmer Greene's goose has 5 babies. One of his ducks has 7 more babies than that. How many babies does the duck have?

Use a double strip model to show the story.

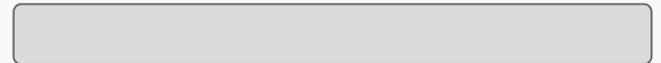


Write a number sentence to show the story.

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

4. At the orchard, Zane picks 8 apples. Emma picks 7 apples. How many more apples should they pick to have 20 apples?

Find how many apples Zane and Emma have so far.



Find how many more apples they need to pick.



Zane and Emma need to pick _____ more apples.

Name: _____

Practice

5. The students see 11 horses out in the field. Then some of the horses go into the barn. Now there are 6 horses out in the field. How many horses went into the barn?

Use a strip model to show the story.



_____ horses went into the barn.

6. Farmer Greene gets 9 white eggs from his chickens. He also gets 6 brown eggs. After he packs some to sell, he has 3 eggs left over. How many eggs does he pack to sell?

Find how many eggs Farmer Greene got this morning in all.

Find how many eggs he packed to sell.

Farmer Greene packed _____ eggs to sell.

Name: _____

7. Later, Ms. Garcia's class drew pictures of the animals they saw at Green Hill Farm. Some students drew more than one picture. The table lists the number of pictures the class drew.



Animal	Number of pictures
cows	6
ducks	4
horses	8
chickens	5



How many pictures of **cows** and **horses** did the class draw altogether?

How many pictures of **ducks** and **chickens** did the class draw altogether?

The class drew more pictures of cows and horses than they did of ducks and chickens. How many more pictures of cows and horses did the class draw?



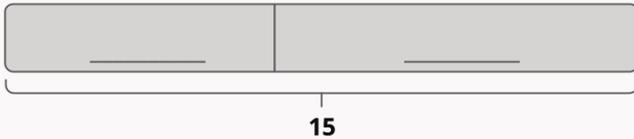
Name: _____

Solve word problems (Part 2)

Warm up

1. Today, Ms. Garcia's class is taking a trip to the science center. The science center has two floors and a total of 15 rooms. The first floor has 6 rooms. How many rooms are on the second floor?

Complete the strip model to show the story.



Write a number sentence to show the story.

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$

Learn

2. First, the class goes to the butterfly room. They see 12 butterflies on a large butterfly feeder. Then, 4 of the butterflies fly away. How many butterflies are on the feeder now?

Draw a strip model to show the story.

Write a number sentence to show the story.

$$\underline{\quad} \bigcirc \underline{\quad} = \underline{\quad}$$



33

Name: _____

3. In the fossil room, Shane sees a glass case with insect and fish fossils. There are 8 insect fossils. There are 3 fewer fish fossils than insect fossils. How many fossils are in the case altogether?

There are _____ fossils in the case.



4. Most sea stars have 5 arms. In the ocean room, there is a southern sand star with 7 arms. There is also a sunflower sea star with 16 arms! How many more arms does the sunflower sea star have than the southern sand star?

The sunflower sea star has _____ more arms than the southern sand star.



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Name: _____

 Practice

5. When the students visit the space room, they learn that Neptune has 14 moons. Neptune also has 5 rings. How many more moons than rings does Neptune have?

Neptune has _____ more moons than rings.

6. In the rainforest room, the students see a frog tank. There are 7 green frogs, 5 blue frogs, and some yellow frogs. There are 4 more green frogs than yellow frogs. How many frogs are in the tank altogether?



There are _____ frogs in the tank.

Name: _____

7. In the inventor lab, Clara builds a racetrack for marbles. She races a small marble against a large marble 16 times. The large marble wins the race 9 times. How many times does the small marble win the race?

The small marble wins _____ times.



8. Back at school, Ms. Garcia's class votes for their favorite room in the science center. You can see their votes below.

First floor			Second floor		
Butterfly	Fossil	Ocean	Space	Rainforest	Invention
5	1	4	2	4	2

Did the first floor or the second floor get more votes? Show or explain your thinking.

