

MATHEMATICS

Quarter 3 - Module 5

Illustrate Division through Equal Distribution of a Number of Objects into Several Groups



MATHEMATICS - Grade 2
Quarter 3 - Module 5 Illustrate Division Through Equal Distribution of a Number of Objects into Several Groups
Self-Learning Module (SLM)
MATATAG Curriculum
First Edition, 2025

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Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are clearly stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

A Pre-test is provided to measure your prior knowledge on lessons in each SLM. This will tell if you need to proceed on completing this module, or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teachers are also provided to the facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. Read carefully the instructions before performing each task.

If you have any questions in using this SLM or any difficulty in doing the tasks in this module, do not hesitate to consult your teachers or facilitator.

Thank you.

For the learner

Welcome to the Mathematics - Grade 2 Self-Learning Module (SLM) on Illustrate Division through Equal Distribution of a Number of Objects into Several Groups!

In this learning resource, you will have the opportunity to enjoy and successfully achieve relevant competencies at your own pace.

This module offers fun and meaningful opportunities for both guided and independent learning. You will engage with the material and become an active participant in your learning journey.

This module has the following parts and corresponding icons:



What I Need to Know

This gives you an idea of the skills or competencies you are expected to learn in the module.



What I Know

This part includes an activity that aims to check what you already know about the lesson to take. If you get all the answers correctly, you may decide to skip this part.



What's In

This is a brief drill or review to help you link the current lesson with the previous one.



What's New

In this portion, the new lesson is introduced to you in various ways such as through a story, a song, a poem, a problem opener, an activity or a situation.



What is It

This section provides a brief discussion of the lesson. This aims to help you discover and understand new concepts and skills.



What's More

This comprises activities for independent practice to concretize your understanding and skills about the topic. You may check the answers to the exercises using the Answer Key at the end of the module.

**What I Have Learned**

This includes questions or blank sentence/ paragraph to be filled in to process what you learned from the lesson.

**What I Can Do**

This section provides an activity which will help you transfer your new knowledge or skill into real life situations or events.

**Assessment**

This is a task which aims to evaluate your level of mastery in achieving the learning competency.

**Additional Activities**

In this portion, another activity is given to you to enrich your knowledge or skill of the lesson learned. It also ensures retention of learned concepts.

Answer Key

This contains answers to all activities in the module.

At the end of this module, you will also find:

References

This is a list of all sources used in developing this module.

The following are some reminders in using this module:

1. Use the module with care. Avoid unnecessary mark/s on any part of the module. Use a separate sheet of paper in answering the exercises.
2. Answer *What I Know* before moving on to the other activities included in the module.
3. Carefully read the instructions before doing each task.
4. Observe honesty and integrity in doing the tasks and in checking your answers.
5. Finish the task at hand before proceeding to the next.
6. Return this module to your teacher/facilitator once you are through with it.

If you encounter any difficulty in doing the tasks in this module, consult your teacher or facilitator. Always bear in mind that you are not alone. We hope that through this material, you will experience meaningful learning and gain a deep understanding of the relevant competencies.

For the facilitator

Welcome to the Mathematics Grade 2 Self-Learning Module on Illustrate Division through Equal Distribution of a Number of Objects into Several Groups.

The Curriculum Implementation Division (CID) through the Learning Resource Management Section (LRMS) launched this module in cooperation with the Division's Teacher Developers, Learning Resource Evaluators (LREs), Information and Technology Officer, and subject matter experts in Mathematics and English. This has been especially developed, quality-assured, and validated to enable you to help the learners overcome their educational obstacles—personal, social, and economic—while meeting the standards outlined in the MATATAG Curriculum.

This learning resource hopes to engage the learners in guided and independent learning activities. It further aims to help them acquire the needed 21st century skills while taking into consideration their needs and circumstances.

As a facilitator, you are expected to orient the learners on how to use this module. You also need to keep track of their progress while allowing them to manage their learning. In addition, you are enjoined to encourage and assist the learners as they do the tasks contained in the module.

MATHEMATICS

Quarter 3 - Module 5

Illustrate Division through Equal
Distribution of a Number of Objects into
Several Groups



What I Need to Know

Good day, Mathletes! In this module, you will gain an understanding on how to illustrate division through equal distribution of a number of objects into several groups. Remember! When breaking an object total into a certain number of equal groups, each group should include the same number of objects. This is known as division.

At the end of this module, you are expected to:

1. illustrate division through equal distribution of a number of objects into several groups.

Lesson 1 - Illustrate division through equal distribution of a number of objects into several groups



What I Know

Hi kids! Today we'll have fun counting objects and indicating group size. Before we start our activity, I want you to think about what you already know.

Directions: Figure out how many groups can be made, by counting the objects and enclosing them in a circle based on the indicated size of the group. Select the correct answer from the options provided and write it in your notebook.

1. How many groups of 8?



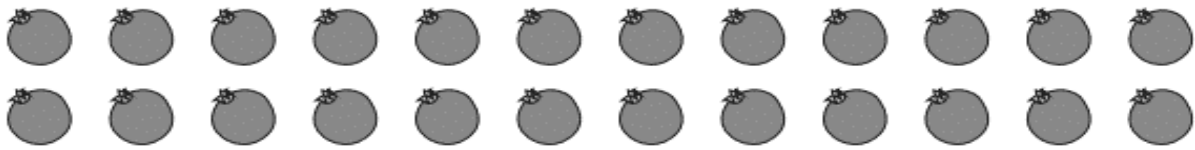
- a. 2
- b. 3
- c. 4
- d. 5

2. How many groups of 2?



- a. 9
- b. 10
- c. 8
- d. 7

3. How many groups of 6?



- a. 3
- b. 5
- c. 4
- d. 2

4. How many groups of 4?



- a. 3
- b. 5
- c. 4
- d. 2

5. How many groups of 3?



- a. 3
- b. 5
- c. 4
- d. 6



What's In

In the previous module, you have learned about solving multiplication problems using 2,3,4,5, and 10 multiplication tables, including problems involving money.

Multiplication is a mathematical operation that combines groups of equal size. It is essentially repeated addition.

Activity 1:

Directions: Fill in the blanks with the correct numbers to complete each mathematical equation.

$3 \times \underline{\quad} = 15$

$3 \times \underline{\quad} = 12$

$3 \times \underline{\quad} = 30$

$\underline{\quad} \times 2 = 6$

$\underline{\quad} \times 5 = 10$

$\underline{\quad} \times 3 = 9$

$\underline{\quad} \times 4 = 16$

$\underline{\quad} \times 3 = 24$

$3 \times \underline{\quad} = 12$

Activity 2:

Directions: Read and analyze the question carefully. Write your answer clearly on the blank.

1. Ice cream cones are Php 5.00 each. If you buy 2 ice cream cones, how much do you spend?

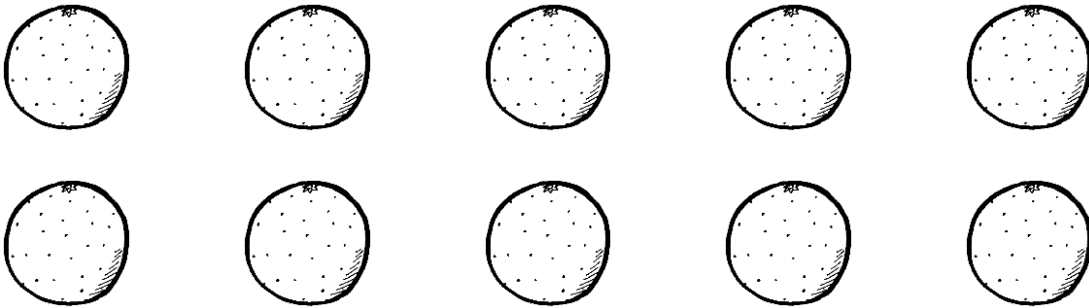
Answer: _____



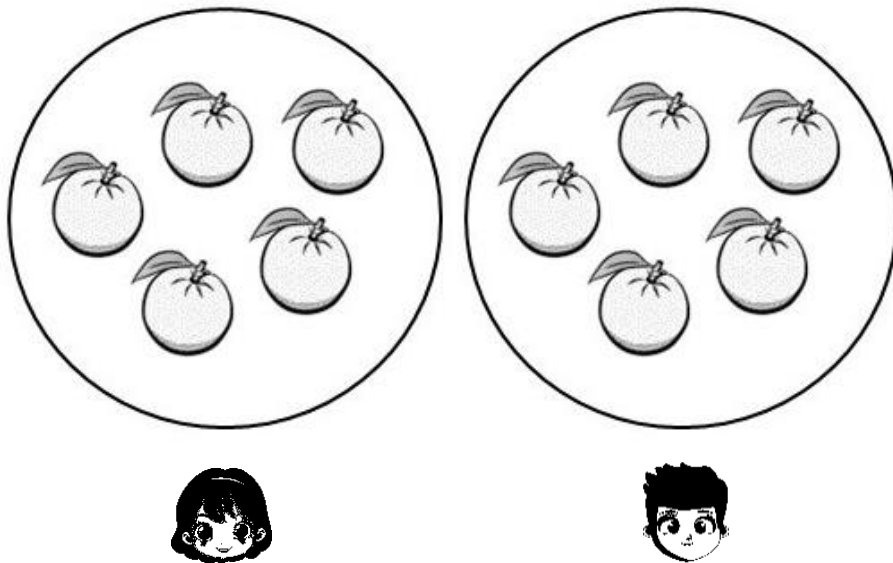
What's New

One way of representing and illustrating division is by **equal sharing or partition**.

Anna bought 10 oranges. She shared them equally among her 2 friends. How many oranges did each of her friends receive?



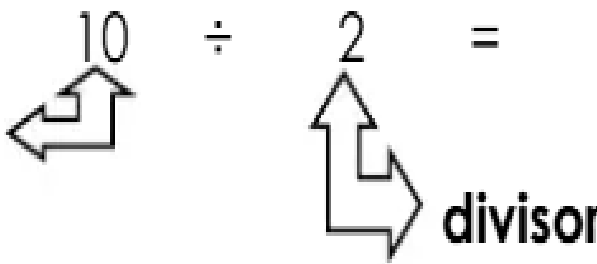
To find the answer, let us separate the oranges into two groups.



There are 5 oranges in each group.

In a division sentence, we have:

$$\text{dividend } 10 \div 2 = 5 \Rightarrow \text{quotient}$$



In a subtraction sentence, we have:

$$\text{(Minuend) } 10 - \underbrace{2 - 2 - 2 - 2 - 2}_{5 \text{ (Subtrahend)}} = 0 \text{ (difference)}$$

Therefore, each of her friends got 5 oranges.

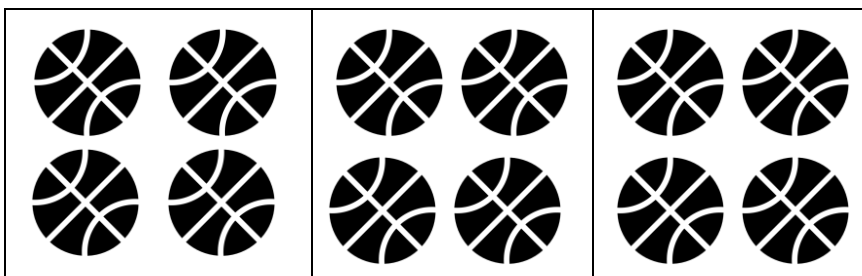


What is It

Hi, everyone! Have you ever shared a pack of cookies with your friends? Awesome! Let's start with some fun activities to practice equal sharing.

A. Directions: Draw the equal groupings of objects of the following:

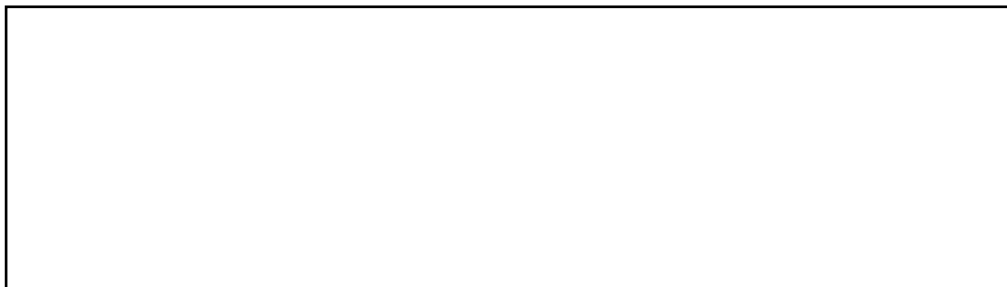
Example: 12 basket balls to be grouped by 3.



1. 10 stars to be grouped into 2.



2. 8 flowers to be grouped into 4.



3. 6 balls to be grouped into 3.



4. 4 bees to be grouped into 2.



5. 10 apples to be grouped into 5.

B. Directions: Copy and draw the equal groups of objects in the box of the division sentence below.

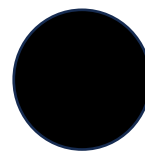
1. $8 \div 2 = 4$



2. $15 \div 3 = 2$



3. $10 \div 2 = 5$



4. $6 \div 3 = 2$



5. $12 \div 4 = 3$



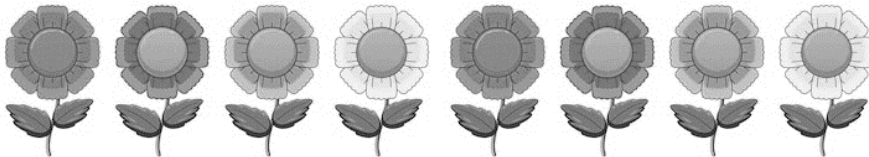


What's More

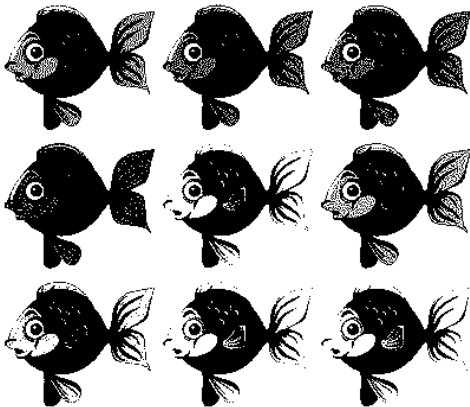
Understanding equal sharing helps us solve problems every day. Let's find out more through fun activities. Are you ready?

Activity 1. Group the following objects by enclosing them in a circle. Write your answer inside the box.

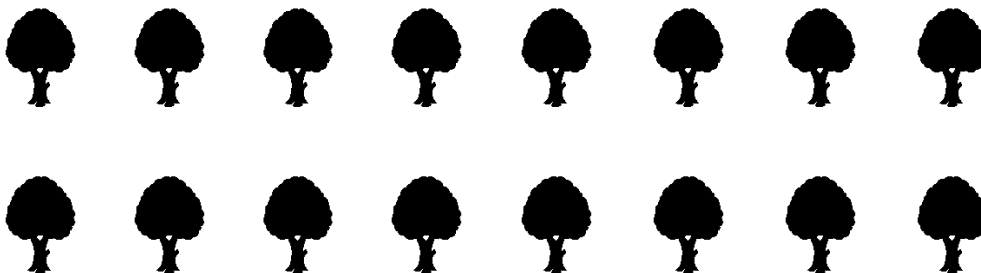
1. How many groups of 2?



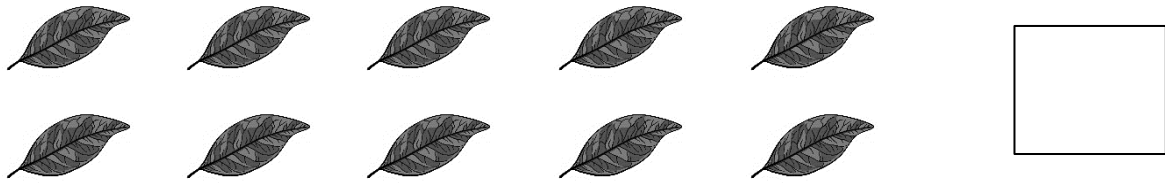
2. How many groups of 3?



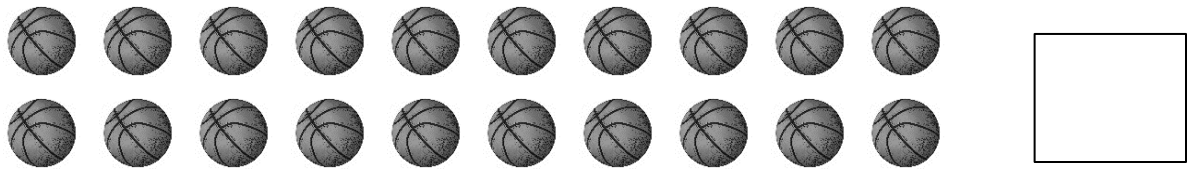
3. How many groups of 4?



4. How many groups of 5?

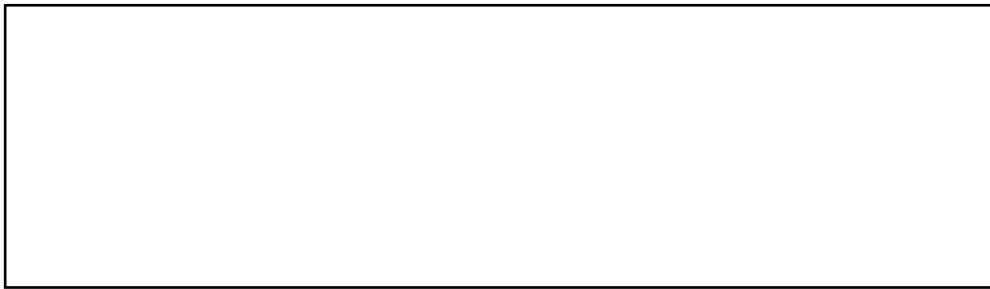


5. How many groups of 2?

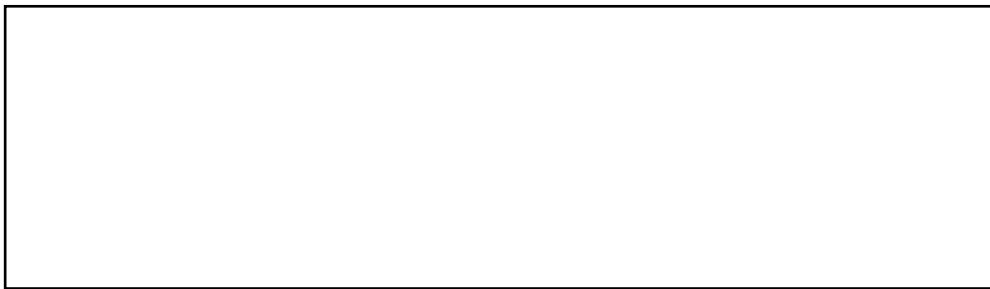


Activity 2. Directions: Draw the equal groupings of objects of the following:

1. 6 fishes to be grouped into 2.



2. 4 umbrellas to be grouped into 4.



3. 9 stars to be grouped into 3.



What I have learned

Great work, class! Now, let's assess what you have learned about sharing things equally.

Directions: Fill in the blanks of the following questions. Chur answer provided inside the box below.

Quotient
Equal grouping
Equal sharing

- _____ 1. It divides a given number of things into a specified number of groups so that each group has the same number of items?
- _____ 2. It is a way in finding out how many times a number can be taken away/subtracted from another number.
- _____ 3. In division, what would you name the answer?

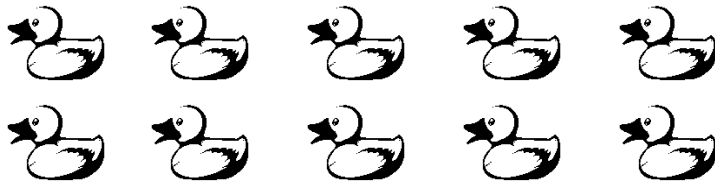


What I can do

Now that we've learned about equal distribution and sharing, let's apply what you have learned about this lesson.

Directions: Divide the following into groups and write your answer inside the box.

1. Divide into groups of 2.



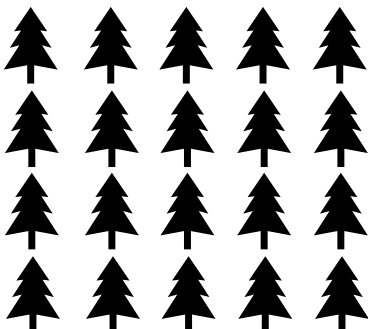
2. Divide into groups of 4.



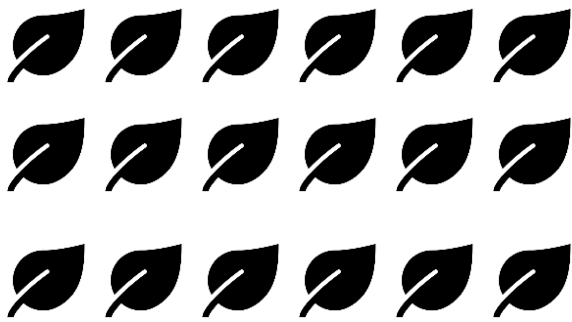
3. Divide into groups of 3.



4. Divide into groups of 5.



5. Divide into groups of 6.

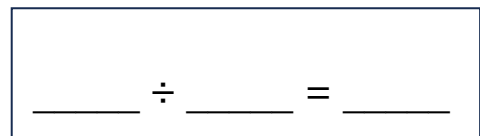
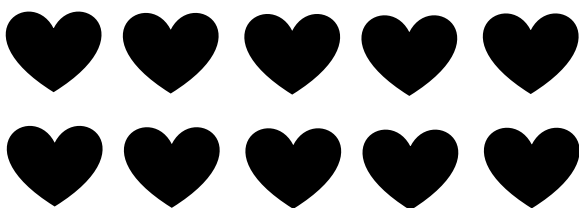


Assessment

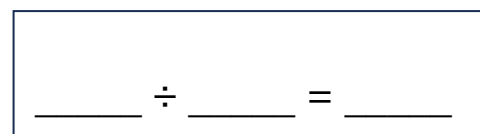
Awesome Kids! Now, let's move on to some exercises to practice more equal groupings and sharing. I'm sure you'll do great!

Directions: Draw the equal groupings of objects of the following, then write the number sentence inside the box.

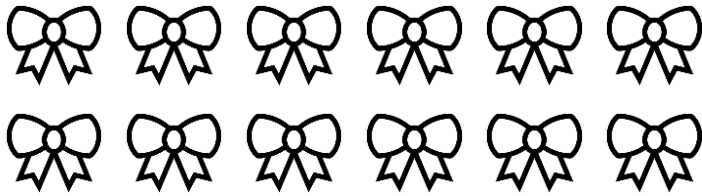
1. 10 hearts to be grouped into 5.



2. 8 hats to be grouped into 2.

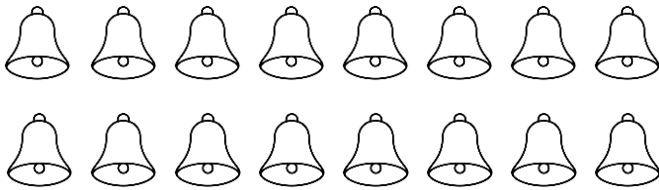


3. 12 ribbons to be grouped into 3.



$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

4. 16 bells to be grouped into 4.



$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$

5. 6 airplanes to be grouped into 3.



$$\underline{\quad} \div \underline{\quad} = \underline{\quad}$$



Additional Activities

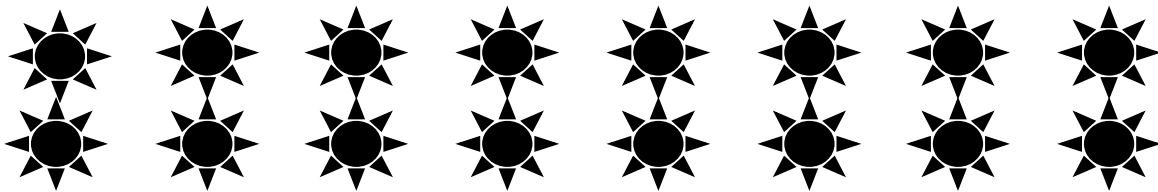
You did an excellent job learning about equal sharing and groupings! Now, let's move on to some additional activities where you can practice more. Are you ready?

Directions: Draw the equal groupings of objects of the following:

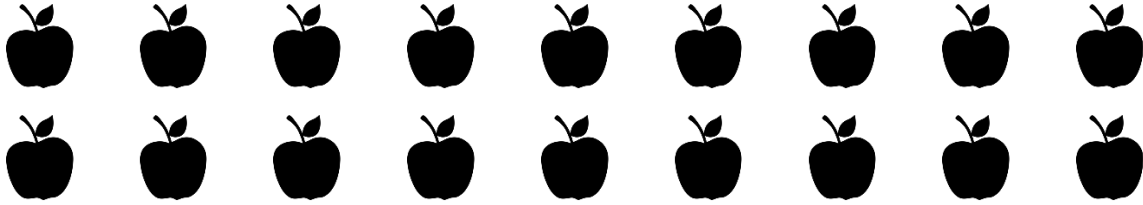
1. 20 stars to be grouped into 4.



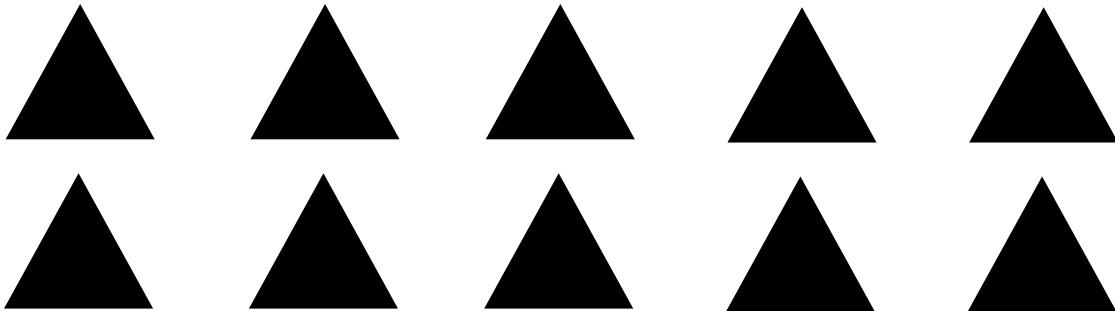
2. 16 suns to be grouped into 4.



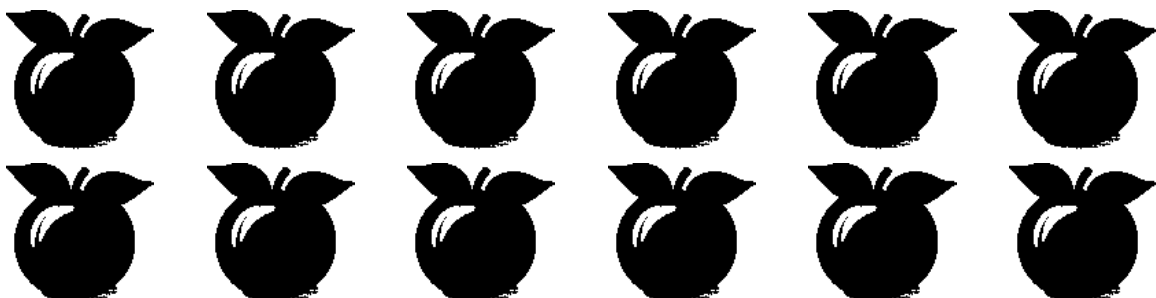
3. 18 apples to be grouped into 6.



4. 10 triangles to be grouped into 2.



5. 12 oranges to be grouped into 4.



Answer Key

What I Know

1. b
2. a
3. c
4. d
5. c

What's In


Activity 1

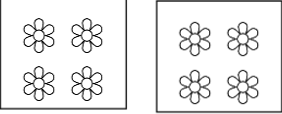
5	4	4
3	2	3
10	4	4

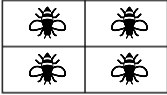

Activity 2


1. Php 10.00
What Is It



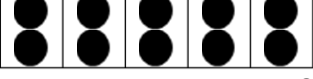


A. 1.

2. 

3. 

4. 


5. 


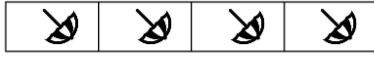

B. 1. 





What's More

Activity 1

1. 4
2. 3
3. 4
4. 2
5. 10

Activity 2

1. 
2. 
3. 

What I have Learned

1. Equal grouping
2. Equal sharing
3. Quotient
What I can do

1. 5
2. 6
3. 2
4. 4
5. 3

Assessment

1. $10 \div 2 = 5$
2. $8 \div 4 = 2$
3. $12 \div 4 = 3$
4. $16 \div 4 = 4$
5. $6 \div 2 = 3$

Additional Activities

1. 5
2. 4
3. 3
4. 5
5. 3

References

<http://surl.li/hjibgr>, <http://surl.li/cousqm>,
<https://www.cuemath.com/numbers/repeated-subtraction/>,
<https://www.splashlearn.com/math-vocabulary/measurements/equal-shares>
, <https://study.com/academy/lesson/using-equal-groups-to-solve-math-problems.html>

DISCLAIMER

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For inquiries or feedback, please write or call:

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