JANUARY
Makugihon

FEBRUARY
Mahigugmaon

MARCH
Matinabangon

APRIL
Matinahuron

MAY
Mahapsay og Malimpyo

JUNE
Maabtik og Musunod sa Insaktong Oras

JULY
Maantigo og Maabilidad

AUGUST
Maginhunahunaon para sa Uban

SEPTEMBER
Madaginoton

OCTOBER
Matinud-anon

NOVEMBER
Masaligan

DECEMBER
Maalampuon

Republic of the Philippines
Department of Education
Regional Office IX, Zamboanga Peninsula

2

Zest for Progress
Zeal of Partnership

Mathematics

Quarter 3 - Module 1
Visualizing Division with Related Equation

Name of Learner: _____

Grade & Section: _____

Name of School: _____

What I Need to Know

The module contains only one lesson with four related equation for each type of situation.

In this module, you will be guided to:

Visualizes and represents division, and writes a related equation for each type of situation:

- Equal Sharing,
- Repeated Subtraction,
- Equal Jumps on The Number Line,
- Formation of Equal Groups of Objects **(No Code)**

What I Know

Directions: Encircle the letter of the correct answer. Please answer all items.

1. Divide the GSP scouters into 2 groups. How many scouters are in each group?

A.7 B. 8 C. 9 D. 10

What's In

Activity 1: *Identify Me*

Directions: Identify the parts of a division sentence namely **dividend**, **divisor** and **quotient**.

1. 6÷3=2

*Dividend*_____
*Divisor*_____
*Quotient*_____

2. 12÷4=3

*Dividend*_____
*Divisor*_____
*Quotient*_____

What's New

Activity 2: *Let's Figure It Out*

Directions: Look at the three figures below and answer the questions that follow.

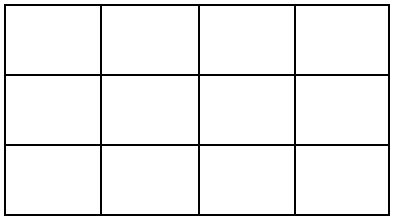


Figure A

1	1	1	1
2	2	2	2
3	3	3	3

Figure B

1	2	3	4
1	2	3	4
1	2	3	4

Figure C

Guide Questions:

Look at Figure **A**.

1. Into how many small rectangles is the big rectangle divided?
2. Are the small rectangles divided equally?

Look at Figure B.

1. Into how many rows is the rectangle divided?
2. How many small rectangles are in each row?
3. What is the division sentence for figure B?

Look at Figure **C**.

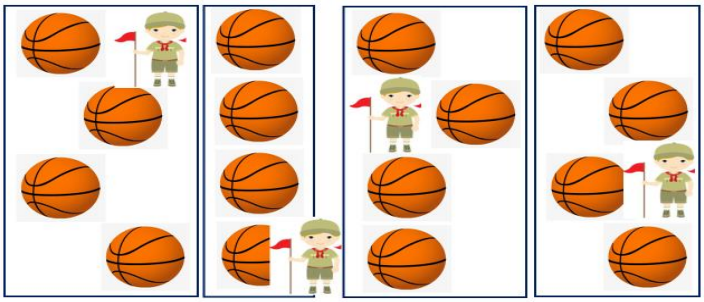
1. How many small rectangles are there?
2. How many columns?
3. How many rectangles are in each column?
4. What is the division sentence for Figure C?

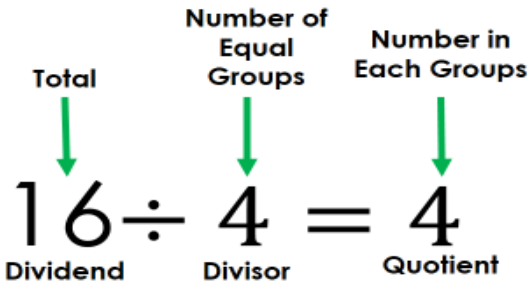
What is it

Division is an operation that is used to find how many equal groups there are or how many are in each group. It is when we split up (or divide) a whole group into smaller equal group. When one number is divided by another, the number being divided is the **dividend**. The other number is the **divisor**. The result is the **quotient**.

Let's try some examples:

Share **sixteen** basketballs between **4** BSP troop leaders





Sixteen divided by **four** equals **four.**

- Each BSP troop leader gets **four** balls.

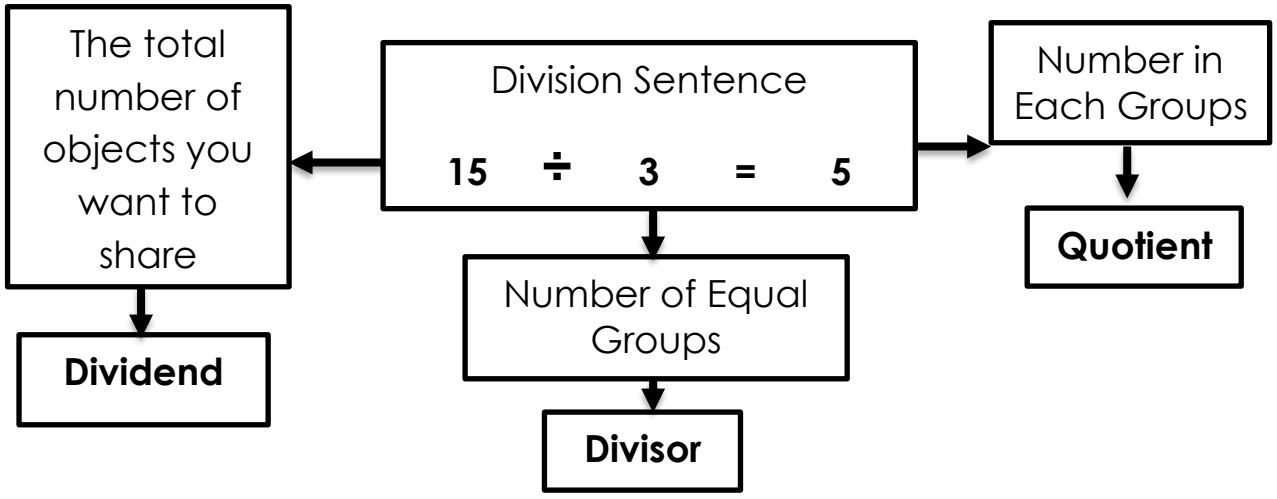
It is also important to develop the different understandings of division by:

- Division as equal Sharing
- Division as Repeated Subtraction
- Division as Equal jumps on the number line
- Division as Equal grouping

A. Division as Equal Sharing

Sharing is the most common way of thinking about division. In equal sharing problems, you start with the number of groups and the total number of objects you want to share between them. Your goal is to find out how many objects each (**equal**) group can receive.

CONCEPT MAP



Example:

Divide the 32 scouters to 16 tents

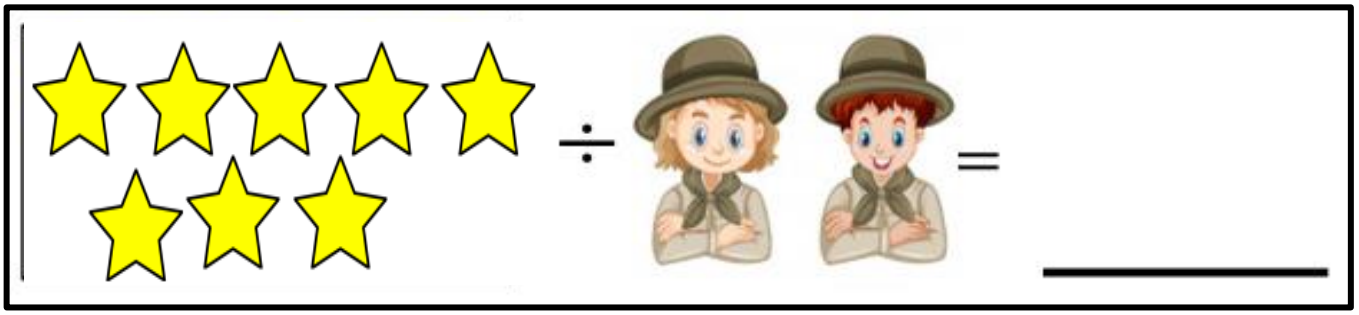
- How many scouters will each tent have? **2**
- How many groups of tents will divide the 32 scouters? **16**
- Division Equation: **32÷16 = 2**

B. Division as Repeated Subtraction

Repeated Subtraction is a method of subtracting the equal number of items from a larger group. It is also known as **DIVISION**. If the same number is repeatedly subtracted from another larger number until the remainder is **zero** or **a number smaller than the number being subtracted**, we can write that in the form of division.

Example:

Divide the 8 stars to 2 scouts using repeated subtraction



Division Equation

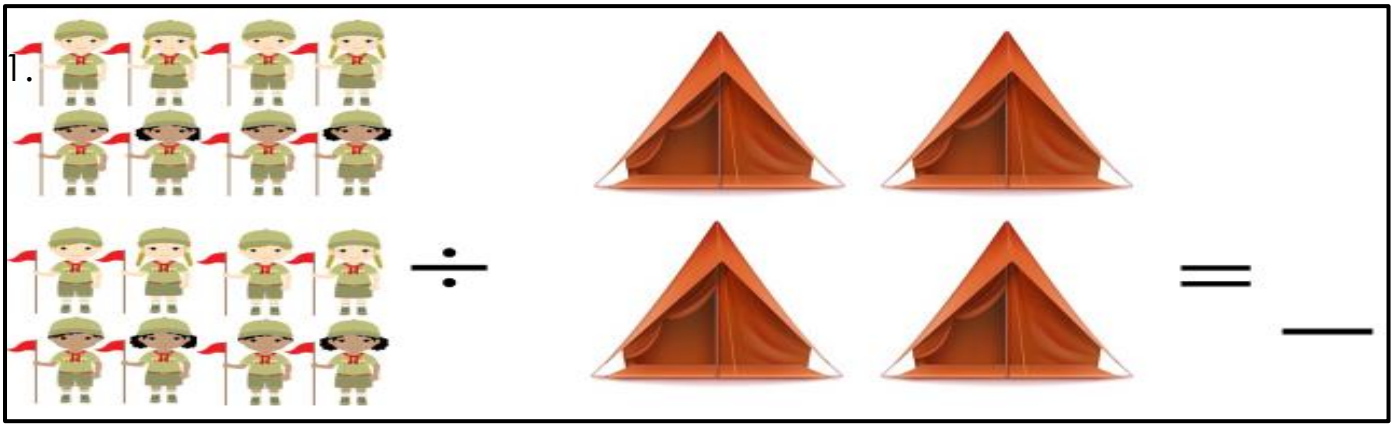
8-2=6
6-2=4
4-2=2
2-2=0

How many groups of 2's can you get? **4**
How many scouts will divide the 8 stars? **2**
How many stars will each scout receive? **4**
What is the Division Equation of the situation? **8**Type equation here.

What's More

Activity 3: ***Work Out To the Quotient***

Directions: Work out the quotient to these division situations using sharing, repeated addition, equal jumps on the number line and formation of equal groups of objects.

1. 

How many scouters are in each tent? _____

1. **Thirty-two** scouters to **8** scout flags. How many scouters for each scout flag? _____

2. What is the correct repeated subtraction for 15÷3= _____?

What I Have Learned

Activity 4: ***Where's My Pair***

Directions: Read and understand each division situation carefully.
Pair the division situation to its correct answer by writing the letter on the space before each number. Choose your answer from the box.

A. Quotient	C.36÷6=6	E. 35
B. 10	D. 40-8 =32-8= 24-8= 16-8= 8-8=0	

____1. In **15÷3=5**, **5** is called _____.

____2. What division equation can you form out of the group of scout flags ?

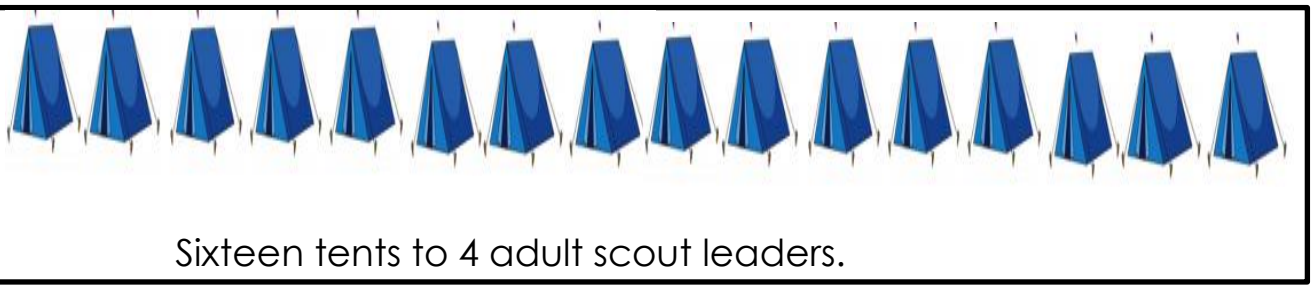
Assessment

Multiple Choice Test

Directions: Encircle the letter of the correct answer.

1. What is the dividend of **12÷6= 2?**

A. 2 B. 6 C.12 D.15

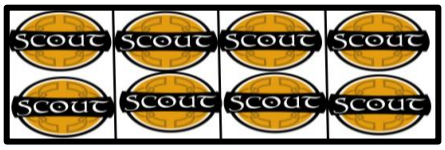
2. 

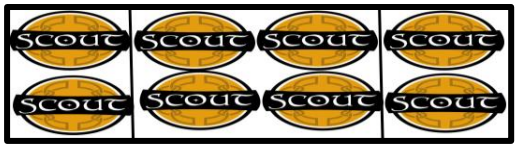
Sixteen tents to 4 adult scout leaders.

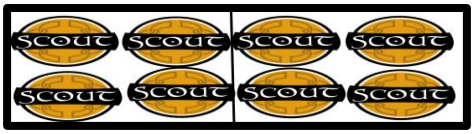
How many tents each adult scout leaders receive?

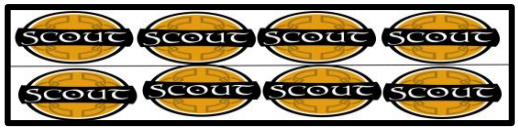
A. 4 B. 8 C.12 D.16

3. What is the correct way of sharing the scout celtic sign to 4 scouters?

A. 

C. 

B. 

D. 

Casacon Elementary School conducted School-Based GSP/BSP Camporee. Fifty-six scouts registered in the said activity. If there were 8 scouters in each troop, how many troops are there?

4. What is the correct division equation to this situation?

A. 56÷8=7
B. 56÷7=8
C. 7÷56=8
D. 8÷56=7

References

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Freefik.com

Boyscouts and camping elements Free Vector

Vector set of green, red, blue tourist tents for travel and camping front view *isolated on white background F*

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