

PICTOGRAPHS and OPERATIONS WITH PICTOGRAPHS

Lessons Here
Transition to UMathXI

The “U” in UMathX and UMathXI ... is ... “UNDERSTANDING”



R.NEUFELD – AUTHOR



B.NEUFELD



webinar/workshop

following UMathX Learning Resources are available as we transition to new UMathXI:

- [Support Sheets](#) (with Solutions)
- [Frameworks](#) for Learning (some with answers)
- [Interactive Videos](#) at www.umathx.com in 6,7
- [Previous versions of UMathX K to 10](#)(available to some)
 1. Click to download: [Understanding Numeration](#) ... gr K to 3
Serial Number: **3-B18652928-465**
 2. Click to download: [Understanding Math](#) ... gr 4 to 10
Serial Number: **5-B17611264-681**

Contact us at info@umathx.com if you would like a webinar.

Begin with .. [Click on Support Sheets](#) (with solutions)
Graphing Section 2 – Part A – page 2 #2

If you have access to UMathX 2008

On Computer: Select – **Understanding Graphing**
Then select item 2 – **Statistics**
Then work through menu to **Introduction – Pictograph 1**

An Introduction... Pictograph #1

Tatha is going to display the data in this Tally Chart in a **Pictograph**.

A **Pictograph** is a graph that uses pictures or symbols to represent data.

# of People to "Pet Groom"	
Monday	
Tuesday	
Wednesday	

# of People to "Pet Groom"	
Monday	
Tuesday	
Wednesday	

Click and drag the faces to the chart on the left.



😊 represents 2 people

Then – **Pictograph 2**

If you don't have access to **UMathX 2008**, then simply sketch in the faces in the pictograph #1 to the left.



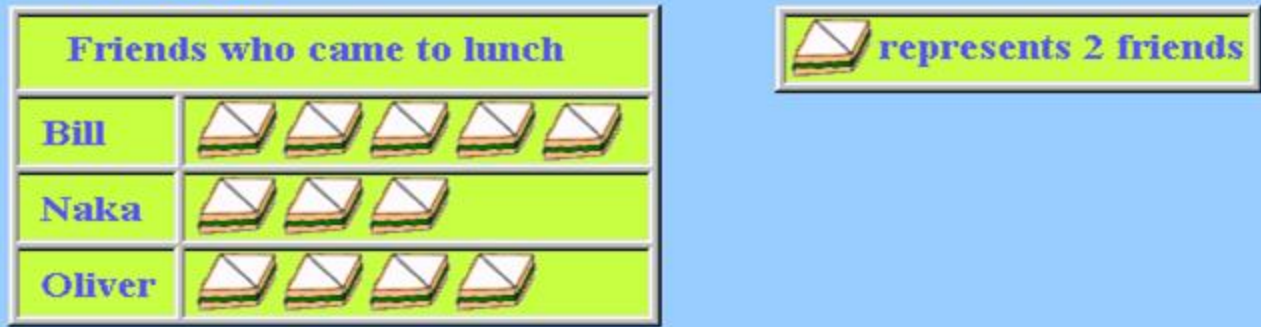
L.Skjold – OH - Author



V.Richard - LA

An Introduction... Pictograph #2

This **Pictograph** shows the number of friends who came for lunch.



- If you don't have access to UMathX 2008, then simply answer below:
- How many friends did Bill have over for lunch?
 - How many friends did Bill, Naka and Oliver have all together?
 - How many more friends did Bill have over than Naka?







Now proceed to .. [Click on the link Frameworks for Learning.](#)


As a start, select .. [Pictographs.](#)

Print it or use the copy below

Then select additional frameworks online based on following content.

Working In It: Answer the following using the data provided in the [pictograph](#)

Favorite Color	
Color	Number of Students
red	
yellow	
blue	
green	
orange	
purple	

 = 2 students

- 1) How many students consider a primary color their favorite? _____
- 2) How many students consider a secondary color their favorite? _____
- 3) How many more students chose **blue** than **orange**? _____

4) How many students total chose **red**, **green**, or **purple**? _____

5) How many  students were surveyed? _____

Reflect & Connect: **Survey** the students in your class regarding their favorite subject. **Record** the results in the **tally chart**. **Complete** the **pictograph** using the data.

Favorite Subject	Tally
Art	
Gym	
Language Arts	
Math	
Music	
Science	
Social Studies	



Answer the following using your **pictograph**.

How many students were surveyed? _____

How many students chose an elective as their favorite subject? ____

How many students chose a core subject as their favorite subject? _____

How many students chose Science or Math as their favorite? _____

How many students chose Language Arts or Social Studies? _____



Compare your answers with a partner.

Discuss and correct any mistakes before turning in your work to you teacher.

Fill in the **tally chart**, **key**, and **pictograph** from information provided by your classmates on Mark.

CD Type	# of CDs
Pop	
Country	
Rock	



 represents ___ CDs

CD Type	# of CDs
Pop	
Country	
Rock	

Answer the following using the information from the **pictograph**.

How many pop CDs does Mark have? _____

How many country CDs does Mark have? _____

How many rock CDs does Mark have? _____

Mark has _____ fewer _____ CDs than _____ CDs.



Working In It:

Survey the students in your class about their favorite type of fruit. Enter the data into the **Tally Chart**. Display the data in the **pictograph**.

Include a key for your pictograph.

Favorite Fruit	# of Students
banana	
orange	
apple	
grapes	



represents ____ pieces of fruit

Favorite Fruit	# of Students
banana	
orange	
apple	
grapes	

Write 3 questions for your **pictograph** on a separate sheet of paper.



Include a question that requires addition and one that involves subtraction.

Exchange papers with a partner.

Answer each other's questions.

Check each other's work.

Discuss and correct any mistakes.