

# Prized Dogs Pictographs

**Developed by:** Jennifer Reiter, 2014 Iditarod Teacher on the Trail™ **Created 9/15 REVISED 11/17**

**Discipline / Subject:** Math

**Topic:** reading, interpreting, and creating pictographs

**Grade Level:** third, others with modifications

**Resources / References / Materials Teacher Needs:**

Brain Pop, Jr. video: <https://jr.brainpop.com/math/data/pictographs/>

On-line practice: <https://www.ixl.com/math/grade-3/interpret-pictographs>

Graph paper – you can print your own here: <http://www.printfreegraphpaper.com/>

List of Golden Harness Winners: <http://iditarod.com/about/champions-records/>

**Lesson Summary:**

Students will create a pictograph that displays information.

**Standards Addressed: (Local, State, or National)**

CCSS.MATH.CONTENT.2.MD.D.10

Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.

CCSS.MATH.CONTENT.3.MD.B.3

Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs. *For example, draw a bar graph in which each square in the bar graph might represent 5 pets.*

**Learning Objectives:**

TLW create a pictograph to display data.

**Assessment:**

Students can be assessed on their finished pictograph.

## Procedural Activities

1. Show the photo of Dallas Seavey's dog Beatle at the 2014 Iditarod Finisher's Banquet in Nome. Have the students make some predictions about what is happening in this picture. Where is Beatle? Why is he there?
2. Tell the students that they will discover later in the lesson if their predictions are correct. Share with them that today they are going to learn about a way to display data called a pictograph.
3. Share with the students the BrainPop, Jr. video on Pictographs to introduce the concept.
4. The IXL site has a game that the students can play to practice reading and interpreting pictographs. If it is not possible for them to practice on a computer, here is a link to a winter focused pictograph you could print and use for practice: <https://i.pinimg.com/736x/7e/e1/b4/7ee1b4e4befc43ae7a3b35fc52ac0aa9.jpg>
5. Bring the students back together and revisit the photo of Beatle. Share with the students the following story behind the picture:

***The City of Nome Lolly Medley Golden Harness Award is given to an outstanding lead dog selected by the mushers. Lolly Medley was a harness maker from the town of Wasilla and one of the first two women to compete in the Iditarod in 1974. The golden harness was awarded to Beatle, one of Dallas' lead dogs. Beatle came in to get his award and Dallas joked, "This is the hardest part of the Iditarod for him!" and in fact he did look a little stunned by the crowd of people and the flashbulbs going off!***

***Dallas also talked about his other lead dog Reef. Reef had been training all year with Christian Turner, who was running Dallas' puppy team. At the last minute Reef graduated from the puppy team to the A-Team and ended up hitting the trail with Dallas! Imagine being called up to the major leagues and then going on to win the World Series! Wow!***

***Taken from the 2014 Iditarod Teacher on the Trail Blog:  
<http://itcteacheronthetrail.com/2014/03/17/recognizing-the-accomplishments/>***

6. Explain that the Lolly Medley Golden Harness is just one of the special awards that is given out each year during the Iditarod. Here is the press information about the award:

***City of Nome Lolly Medley Memorial Golden Harness Award***

***∅ Originally presented by the late Lolly Medley, Wasilla harness maker and one of two women to run the second Iditarod in 1974***

***∅ Embroidered gold colored harness***

***∅ Goes to an outstanding led dog, chosen by the mushers***

***∅ Presented at the Nome banquet***

7. Since the award was first given in 1976, about 50 dogs have been given the award. Only Martin Buser's dog, Blondie, and Dallas Seavey's Reef, have won twice!
8. Show the students the names of the winners from the first five years. Have them vote on their favorite name and complete a tally chart as each student makes their vote.

9. Then have the students guide you as you create a pictograph using their votes. When the pictograph is complete discuss both the creation of the graph and what type of data can be learned from it.
10. Repeat the voting step, but with the most recent five years. Challenge the students to create their own individual pictograph using the new data.

**Materials Students Need:**

Graph paper

**Technology Utilized to Enhance Learning:**

See Teacher Resources

**Other Information:**

Lolly Medley's sons, Ramey and Cim Smyth are frequent Iditarod competitors. Becca Moore, Ramey's wife, has also competed the last couple of years.

**Modifications for Special Learners/ Enrichment Opportunities:**

The pictograph could be created as a class, team, or individual as needed.

For an extra bonus, present the students with the attached list of Golden Harness winners. Have them mine the chart for other information they could create a pictograph of. For example number of golden harness winners each year, or multiple race winners.

To add a writing component, students could do a journal entry about what characteristics they think all of the Golden Harness winners have in common.

**Additional Information**



## Golden Harness (Outstanding Lead Dogs)

Year	Award Winner	Musher
2017	Pilot	Seavey, Mitch
2016	Reef	Seavey, Dallas
2015	Reef	Seavey, Dallas
2014	Beatle	Seavey, Dallas
2013	Tanner	Seavey, Mitch
2012	Guinness	Seavey, Dallas
2011	Snickers & Velvet	Baker, John
2010	Maple	Mackey, Lance
2009	Kuling	Royer, Jessie
2008	Babe	Smith, Ramey
2007	Larry	Mackey, Lance
2006	Salem	Jeff King
2005	Kvitsokk (Whitesock)	Sørlie, Robert
2004	Tread	Seavey, Mitch
2003	Tipp	Sørlie, Robert
2002	Bronson	Buser, Martin
2001	Pepi	Swingley, Doug
2000	Red Dog	Gebhardt, Paul
1999	Elmer	Swingley, Doug
1998	Red	King, Jeff
1997	Blondie and Fearless	Buser, Martin
1996	Blondie	Buser, Martin
1995	Vic	Swingley, Doug
1994	D2 and Dave	Buser, Martin
1993	Herbie and Kitty	King, Jeff
1992	Dusty	Garnie, Joe
1991	Goose and Major	Swenson, Rick
1990	Tip	Barve, Lavon
1989	Ferlin	Runyan, Joe
1988	Granite	Butcher, Susan
1987	Blackie	Nayokpuk, Herbie
1986	Sister	Garnie, Joe
1985	Axle and Dugan	Riddles, Libby
1984	Red and Bullet	Osmar, Dean
1983	Preacher and Jody	Mackey, Rick
1982	Brandy	Baumgartner, Ernie

<b>Year</b>	<b>Award Winner</b>	<b>Musher</b>
1981	Silver	Smith, Larry
1980	Trooper	Nayokpuk, Herbie
1979	Digger	Peters, Emmitt
1978	Nuggett and Blackie	Anderson, Ralph
1977	Pilot	Chase, Ken
1976	Puppy and Sugar	Riley, Gerald

Taken from the Iditarod Website: <http://iditarod.com/about/champions-records/>