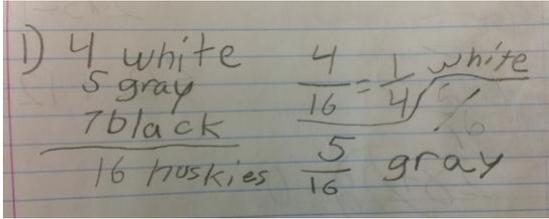
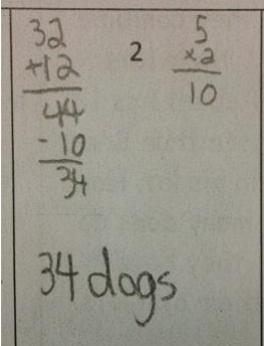
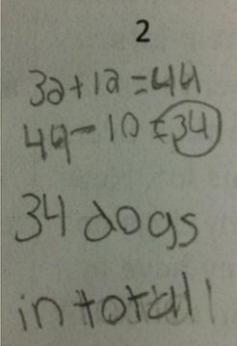
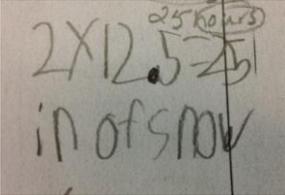
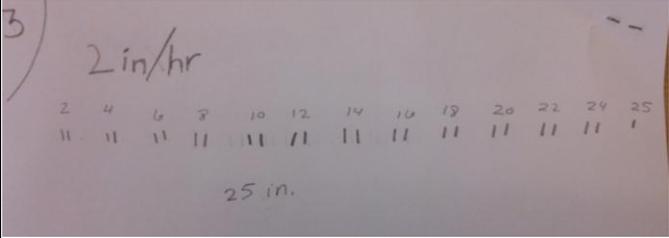


Solutions to Musher's Math Problems

Problem	Solution
<p>1. Kristy Berington has seven black huskies, four white huskies, and five gray huskies on her team. What fraction of the team of huskies is white? What fraction is gray?</p>	<p style="text-align: center;">Austin & Family</p> 
<p>2. Cindy Gallea has thirty-two huskies. She buys twelve more from another musher. She gives two dogs to each of her five friends. How many dogs does Cindy have now</p> <p><i>(Thanks to those who fixed my typo! This problem is about Cindy, not Sue! Oops!)</i></p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="789 825 1053 1209"> <p style="text-align: center;">Kathleen & Family</p>  </div> <div data-bbox="1149 825 1386 1209"> <p style="text-align: center;">Bridget & Family</p>  </div> </div>
<p>3. Mike Ellis hears that it is snowing 2 inches every hour. If it snows for twelve and a half hours, how many inches of fresh snow will be on the ground?</p>	<p style="text-align: center;">Andrew & Family</p>  <p style="text-align: center;">Ryan & Family</p> 

4. Robert Sorlie and Brent Sass have 136 dogs if they combine their lots. Robert has 12 more than Brent in his lot. How many dogs do they have in their own lots?

Kaitlyn & Family

4

$$\begin{array}{r} 136 \\ - 12 \\ \hline 124 \end{array}$$

$$\frac{124}{2} = 62$$

Brent	62
Robert	62 + 12 = 74

5. This is a dog family from Jessie Royer's lot. M&M is Lollipop's mother. Bon-Bon is M&M's mother. How is Bon-Bon related to Lollipop?

Ryan & Family

5

Grandmother
Bon-Bon
mom M&M
Kid Lollipop

Bon-Bon is
Lollipop's
Grandmother

6. Travis Beal's team of dogs loves to eat honey balls as a snack. He plans to stop the team 12 times between the checkpoints of Cripple and Nulato. How many total honey balls would he need for a team of 16 dogs if each only gets one honey ball when he stops?

Tori & Family

6

$$\begin{array}{r} 12 \\ \times 16 \\ \hline 72 \\ 120 \\ \hline 192 \end{array}$$

192 honey balls

Lucas & Family

$$12 \times 10 = 120$$

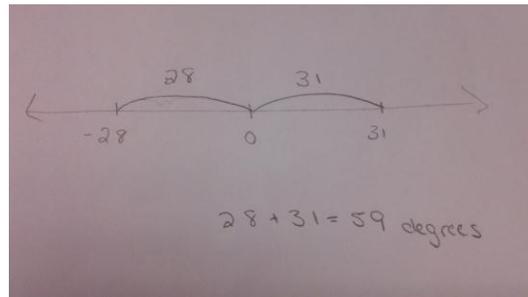
$$12 \times 6 = 72$$

$$120 + 72 = 192$$

192 honey balls

7. At 5:00AM, Aliy Zirkle's thermometer read -28 degrees F. By 2:00PM her thermometer read 31 degrees F. How many degrees did the temperature rise during those hours?

Abigail & Family



Allie & Family

7.
 $0 - 28 = \overset{28}{\text{below zero}}$
 $+ 28 = 0$
 $0 + 31 = 31$
 $28 + 31 = \underline{59}$

8. Three pieces of equipment are in the snow: a gangline, a sled bag, and a harness. They belong to Jan Steves, Jim Lanier, and Jeff King. Jim does not own the harness or the gangline. Jan's equipment goes on the dog. Who owns the gangline?

Matthew & Family

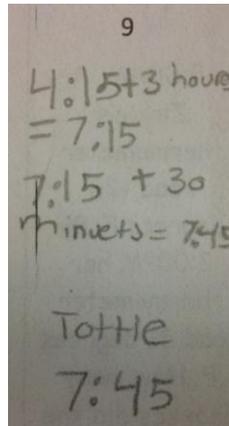
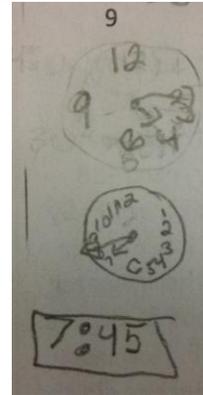


8

Jan Steves
harness
Jim Lanier
sled bag
Jeff King
gang line

9. John Dixon leaves Safety checkpoint at quarter after four. He reaches Nome three and one-half hours later. What time did he arrive in Nome?

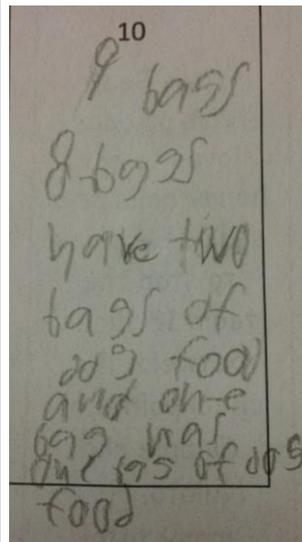
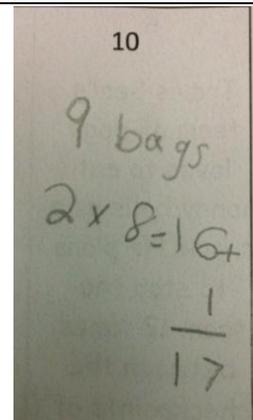
Sara & Family



Rylie & Family

10. Ellen Halverson buys seventeen bags of dog food. She can only fit two bags into each grocery bag. How many grocery bags will she need? Explain your thinking.

Michaela & Family



Thomas & Family