

Sample A

Spring 2013/ 4th Grade

4.NF.3a,d

Who Walked Farther?

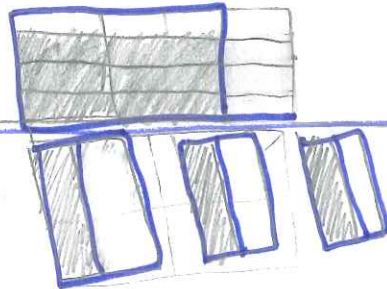
Tray walked $\frac{3}{4}$ of a mile to Jose's house and then walked back home. His sister Maria walked $\frac{1}{2}$ of a mile to the candy store, $\frac{1}{2}$ of a mile to visit her grandma and then walked $\frac{1}{2}$ of a mile home. Tray said he walked farther, but Maria said they walked the same total distance. Who is correct?

Answer Maria was right because if you simplify there totals they both get $\frac{1}{2}$

Explain your answer using words, diagrams and/or numbers.

$$\text{Tray: } \frac{3}{4} + \frac{3}{4} = \frac{6}{4} = \frac{3}{2} = \frac{1}{2}$$

$$\text{Maria: } \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2} = \frac{1}{2}$$



For Tray you would have to add $\frac{3}{4} + \frac{3}{4}$ and get the answer $\frac{6}{4}$ and simplify to $\frac{3}{2}$ then simplify again to $\frac{1}{2}$. And that's the answer.

For Maria you have to add $\frac{1}{2}$ three times and you get $\frac{3}{2}$ then simplify to $\frac{1}{2}$ and that's the answer.

Sample B

Spring 2013/ 4th Grade

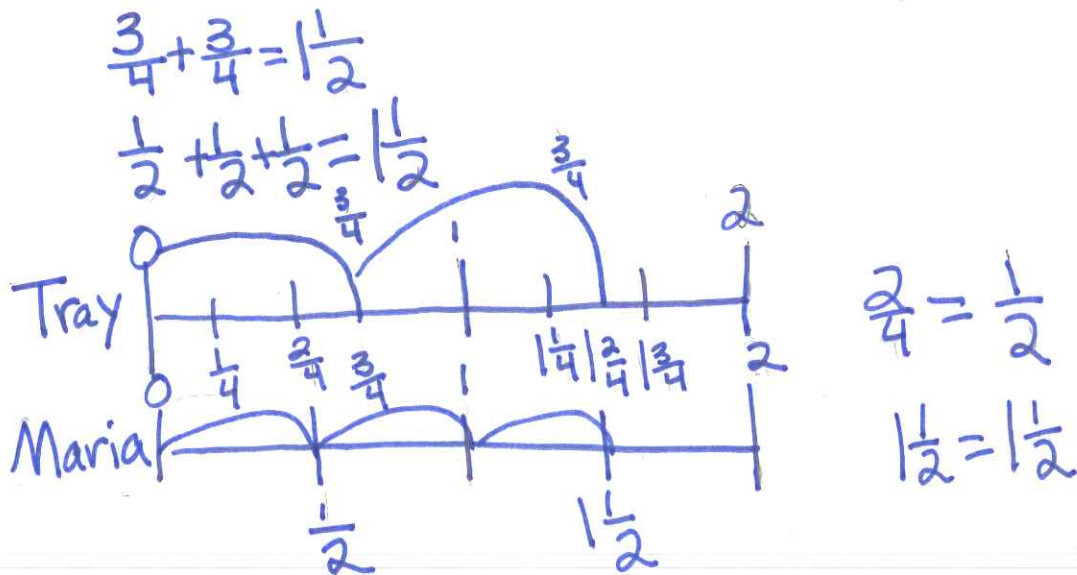
4.NF.3a,d

Who Walked Farther?

Tray walked $\frac{3}{4}$ of a mile to Jose's house and then walked back home. His sister Maria walked $\frac{1}{2}$ of a mile to the candy store, $\frac{1}{2}$ of a mile to visit her grandma and then walked $\frac{1}{2}$ of a mile home. Tray said he walked farther, but Maria said they walked the same total distance. Who is correct?

Answer Maria is correct. They both walked $1\frac{1}{2}$ miles.

Explain your answer using words, diagrams and/or numbers.



Sample C

Spring 2013/ 4th Grade

4.NF.3a,d

Who Walked Farther?

Tray walked $\frac{3}{4}$ of a mile to Jose's house and then walked back home. His sister Maria walked $\frac{1}{2}$ of a mile to the candy store, $\frac{1}{2}$ of a mile to visit her grandma and then walked $\frac{1}{2}$ of a mile home. Tray said he walked farther, but Maria said they walked the same total distance. Who is correct?

Answer Maria

Explain your answer using words, diagrams and/or numbers.



Maria walked farther because she walk $1\frac{1}{2}$
and Tray just $\frac{3}{4}$

Sample D

Spring 2013/ 4th Grade

4.NF.3a,d

Who Walked Farther?

Tray walked $\frac{3}{4}$ of a mile to Jose's house and then walked back home. His sister Maria walked $\frac{1}{2}$ of a mile to the candy store, $\frac{1}{2}$ of a mile to visit her grandma and then walked $\frac{1}{2}$ of a mile home. Tray said he walked farther, but Maria said they walked the same total distance. Who is correct?

Answer Trey

Explain your answer using words, diagrams and/or numbers.

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{8}$$

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2}$$

Trey walked farther because, $\frac{6}{8}$ is bigger than $\frac{3}{2}$. I got $\frac{6}{8}$ from $\frac{3}{4} + \frac{3}{4}$ and I got $\frac{3}{2}$ from $\frac{1}{2} + \frac{1}{2} + \frac{1}{2}$.

Sample E

Spring 2013/ 4th Grade

4.NF.3a,d

Who Walked Farther?

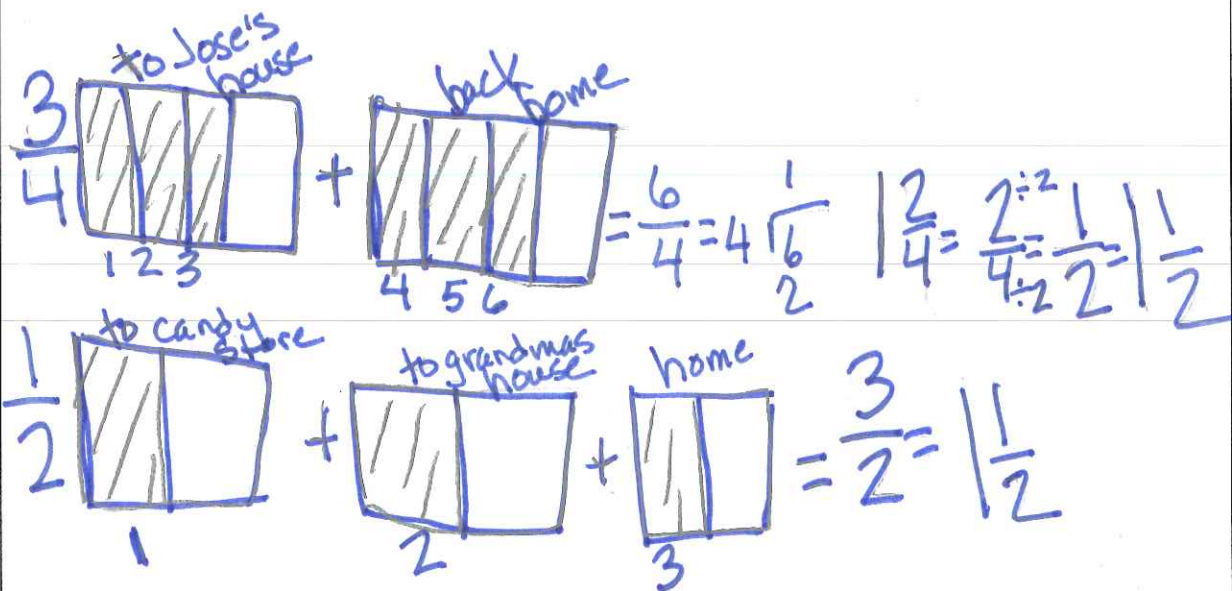
Tray walked $\frac{3}{4}$ of a mile to Jose's house and then walked back home. His sister Maria walked $\frac{1}{2}$ of a mile to the candy store, $\frac{1}{2}$ of a mile to visit her grandma and then walked $\frac{1}{2}$ of a mile home. Tray said he walked farther, but Maria said they walked the same total distance. Who is correct?

Answer Maria

Explain your answer using words, diagrams and/or numbers.

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = \frac{12}{4} = 1\frac{1}{2}$$

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2} = 1\frac{1}{2}$$



Sample F

Who Walked Farther?

Tray walked $\frac{3}{4}$ of a mile to Jose's house and then walked back home. His sister Maria walked $\frac{1}{2}$ of a mile to the candy store, $\frac{1}{2}$ of a mile to visit her grandma and then walked $\frac{1}{2}$ of a mile home. Tray said he walked farther, but Maria said they walked the same total distance. Who is correct?

Answer Tray

Explain your answer using words, diagrams and/or numbers.

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4}$$

$$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} = \frac{3}{2}$$

So Tray walked $\frac{6}{4}$
 Maria walked $\frac{3}{2}$