

Ratios and Rates: Ratio problems

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Mochaccino Mix

Millie and Maxwell are creating their own homemade 'mochaccinos' with scoops of mochaccino mix (MM) and scoops of milk (m).

2:6 (MM:m)



Millie

5:11 (MM:m)



Maxwell

Which cup has the stronger mochaccino flavor?
How do you know?

Your turn to make a mochaccino

You decide to make some mochaccinos using Millie's recipe.

If you use 18 scoops of milk, how many scoops of MM will you use?

If you use $1\frac{1}{2}$ scoops of MM, how many scoops of milk will you use?

If Millie's recipe makes a small drink for one person, what quantities will you use to make a small drink for eight people?

You decide to make your own mix.

You use a 2:8 ratio in your first drink. What percentage is mochaccino mix?

Your second drink mix is stronger. You use a 3:7 ratio. What percentage is milk?

Your third drink mix is really thick. It is made with 40% mochaccino mix. What ratio did you use?

Odds

It's winter in the south. Four children are predicting the likelihood of school having to close early because of the snowfall that is predicted.

They state their odds as **Yes** will close (Y) to **No**, won't close (N).

Here are their odds. Y:N

3:5
Filipo

7:9
Toni

5:11
Arapeta

6:10
Mona

1.If you wanted the odds of school closing to be greater, whose odds would you pick and why?

2. Whose odds show the greatest chance of school remaining open?