1. Dan’s Division Strategy

6.NS.1

Dan noticed that 6/10 ÷ 2/10 = 6÷2

He says,

*I think that if we are dividing a fraction by a fraction with the same denominator, then we can just divide the numerators.*

Is Dan’s conjecture true for all fractions? Explain how you know.

2. Movie Tickets

6.NS.3

Hallie is in 6th grade and she can buy movie tickets for $8.25. Hallie's father was in 6th grade in 1987 when movie tickets cost $3.75.

1. When he turned 12, Hallie's father was given $20.00 so he could take some friends to the movies. How many movie tickets could he buy with this money?
2. How many movie tickets can Hallie buy for $20.00?

On Hallie's 12th birthday, her father said, *When I turned 12, my dad gave me $20 so I could go with three of my friends to the movies and buy a large popcorn. I'm going to give you some money so you can take three of your friends to the movies and buy a large popcorn.*How much money do you think her father should give her?

3.The Florist Shop

6.NS.4

The florist can order roses in bunches of one dozen and lilies in bunches of 8. Last month she ordered the same number of roses as lilies. If she ordered no more than 100 roses, how many bunches of each could she have ordered? What is the smallest number of bunches of each that she could have ordered? Explain your reasoning.