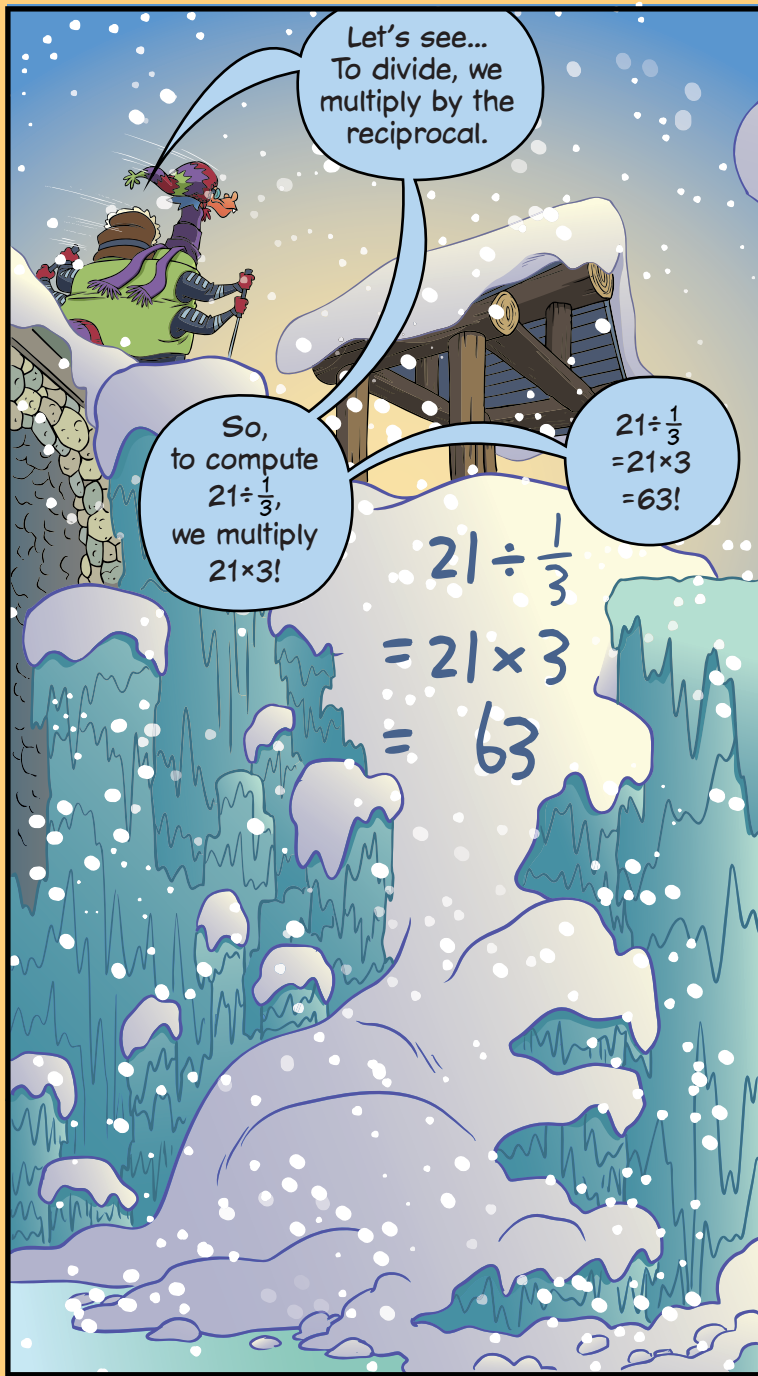




Try it.



Let's see...
To divide, we multiply by the reciprocal.

So, to compute $21 \div \frac{1}{3}$, we multiply 21×3 !

$$21 \div \frac{1}{3} = 21 \times 3 = 63$$

$21 \div \frac{1}{3} = 21 \times 3 = 63!$



Exactly.

Why does *that* work?

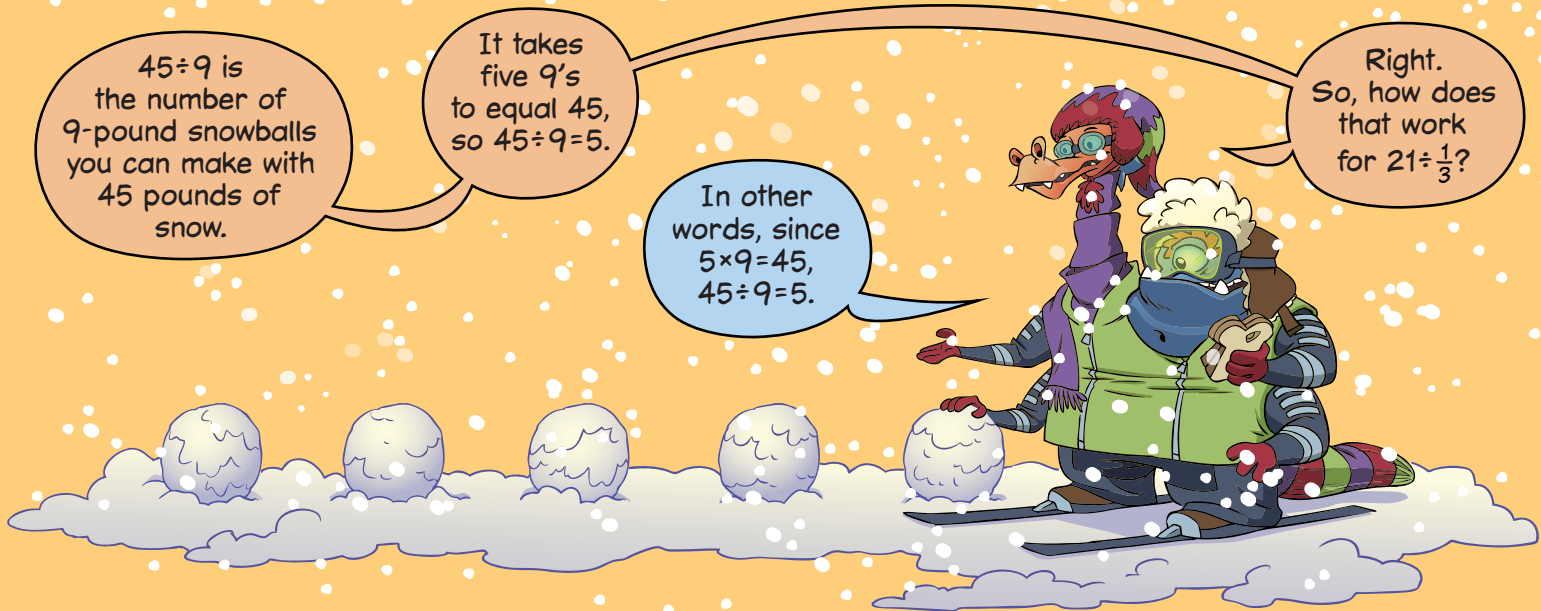


I never really thought about it.

Let's start with a problem we know how to solve.

What does it even mean to divide 21 by $\frac{1}{3}$?

What does it mean to divide 45 by 9?



$45 \div 9$ is the number of 9-pound snowballs you can make with 45 pounds of snow.

It takes five 9's to equal 45, so $45 \div 9 = 5$.

In other words, since $5 \times 9 = 45$, $45 \div 9 = 5$.

Right. So, how does that work for $21 \div \frac{1}{3}$?