

Word problems.

Problem 1:

There are 24 students in Justin's class. $\frac{1}{4}$ of the students go to the museum and $\frac{2}{3}$ of the students go to the theme park. How many students don't go on a trip?

① Museum

$$\frac{24}{1} \times \frac{1}{4} = 6 \text{ students}$$

② Park

$$\frac{24}{1} \times \frac{2}{3} = 16 \text{ students}$$

$16 + 6 = 22$

$24 - 22 = 2$ students didn't go on a trip

Problem 2:

A mouse eats $\frac{2}{15}$ kg of cheese each night.

How much cheese does it eat in

a) 30 nights

$$\frac{2}{15} \times 30 = 4 \text{ kg}$$

b) 16 nights

$$\frac{2}{15} \times 16 = 2 \frac{2}{15} \text{ kg}$$