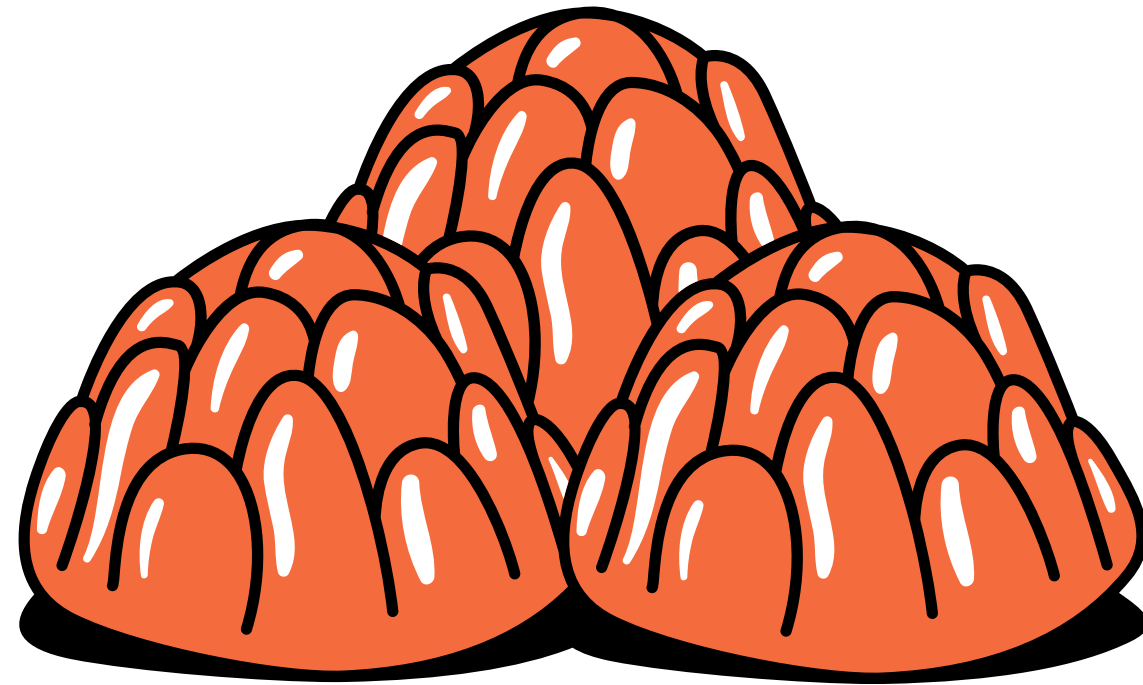


DIVISION OF FRACTIONS

Diamond Graphic Organizer

Let's engage our minds in solving a word problem by filling out each step in the graphic organizer as a guide.



Charlie has $\frac{5}{6}$ of a kilogram of gummies. He wants to put them into packs. If each pack weighs $\frac{5}{12}$ of a kilogram, how many packs will he make?

1

Understand

Given values:
5/6 kg of gummies
5/12 kg each pack

Unknown value:
Number of packs
Charlie will make

2

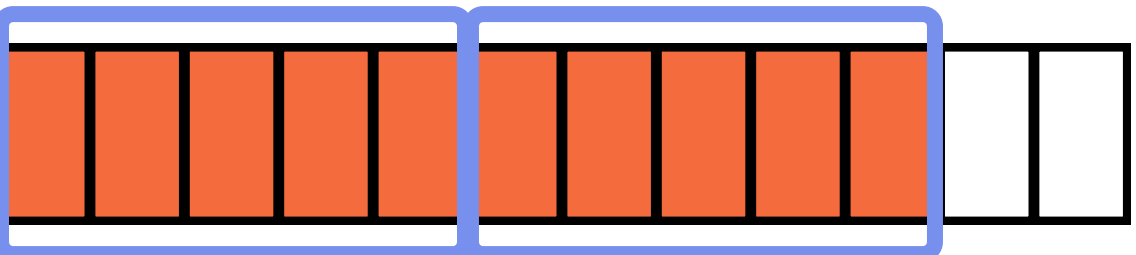
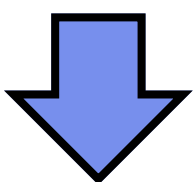
Plan

Operation involved:
Division

Number sentence:
 $\frac{5}{6} \div \frac{5}{12} = ?$

ANSWER

Charlie will have
2 packs of gummies
weighing $\frac{5}{12}$ kg each.



$$\frac{5}{6} \div \frac{5}{12} = 2$$

3

Visual Model

4

Standard Algorithm

$$\begin{aligned} \frac{5}{6} \div \frac{5}{12} &= \frac{5}{6} \times \frac{12}{5} \\ &= \frac{5 \times 12}{6 \times 5} \\ &= \frac{60}{30} \\ &= 2 \end{aligned}$$