

# Information About Subscription Boxes

A subscription box is a box that people get in the mail each month. When someone signs up for a subscription box, he or she pays a certain amount of money in exchange for a box of items. All of the items in the box will have a theme, which means that all of the items will have something in common. For example, if someone really liked funny socks, he or she could sign up for a sock subscription box! Each month, the person would get a few new pairs of funny socks in a box!



<https://www.kiwico.com/tinker>

## Tinker Crate:

Kids get materials to create an engineering project. For example, they will get materials to build a robot that can walk!



<https://www.kiwico.com/atlas>

## Atlas Crate:

Kids get materials to create projects that allow them to explore countries around the world. For example, students will learn about weaving their own textiles with materials from Peru.



<https://home.kidbox.com/pages/spring/>

## Kid Box:

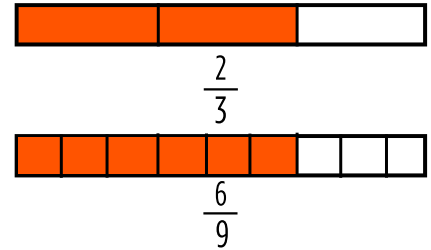
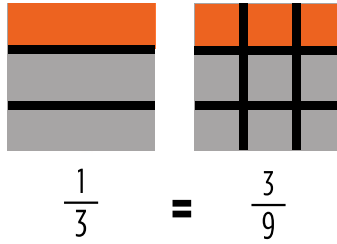
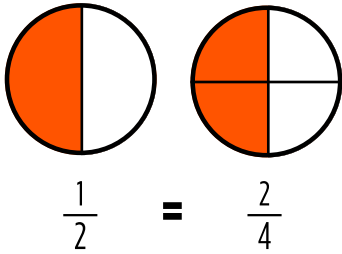
Kids get a box of 8 clothing items and accessories!

# Equivalent Fractions

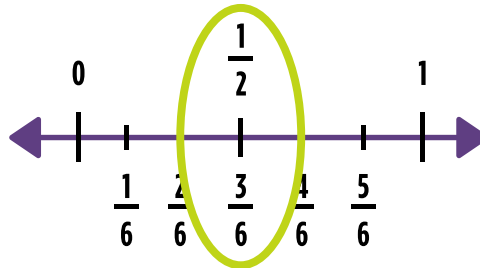
Equivalent fractions are fractions that equal the same amount even though the numerator and denominator are different numbers.

We can figure out if fractions are equivalent by:

## Drawing Pictures:



## Showing fractions on a number line:



## Finding a common denominator:

$$\frac{6}{8} \quad ? \quad \frac{6}{24}$$

Step 1:

$$\begin{array}{l} \frac{6}{8} \times 3 = \underline{18} \\ \frac{6}{8} \times 3 = \underline{24} \end{array}$$

Step 2:

$$\frac{18}{24} > \frac{6}{24}$$

Name: \_\_\_\_\_

## Steps to Design a Subscription Box

Imagine you are designing a new subscription box for kids! You want to create a box that a lot of kids will want to buy. In order to figure out what kind of subscription box will be the most popular, you created a survey. The survey was given to kids ages 9-12. The survey asked kids if they would buy any of the following subscription boxes: candy box, art box, math box, or a pet box.

### Step 1: Choose Theme for Subscription Box

Your first step is to choose a theme for a subscription box. A theme is a main idea that all of the items in the box are connected to. Below, you will see the survey results. Your job is to create equivalent fractions to determine which subscription box will be the most popular.

Use the space below to make all fractions into equivalent fractions. When you are done, all of your fractions should have the same denominator, so you will be able to compare your results and know which box is the most popular. Choose the box that is the most popular to create!

Candy Box: $\frac{6}{8}$	Art Box: $\frac{1}{4}$	Math Box $\frac{3}{8}$	Pet Box $\frac{6}{24}$
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The subscription box I will make is \_\_\_\_\_

Check your answer with your teacher before moving on.

Name: \_\_\_\_\_

## Steps to Design a Subscription Box

### Step 2: Choose Products for Subscription Box

Your next step is to choose four products that will go in your subscription box. Look at the survey results below. You should choose the four most popular items from the list.

Gummy Bears $\frac{1}{3}$	Jelly Beans $\frac{7}{9}$	Chocolate Bars $\frac{5}{6}$	Lollipops $\frac{3}{18}$
Taffy $\frac{7}{9}$	Peanut Butter Cups $\frac{3}{6}$	Cotton Candy $\frac{10}{18}$	Bubble Gum $\frac{1}{6}$

The four items I will put in my box are:

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

Check your answers with your teacher before moving on.

Name: \_\_\_\_\_

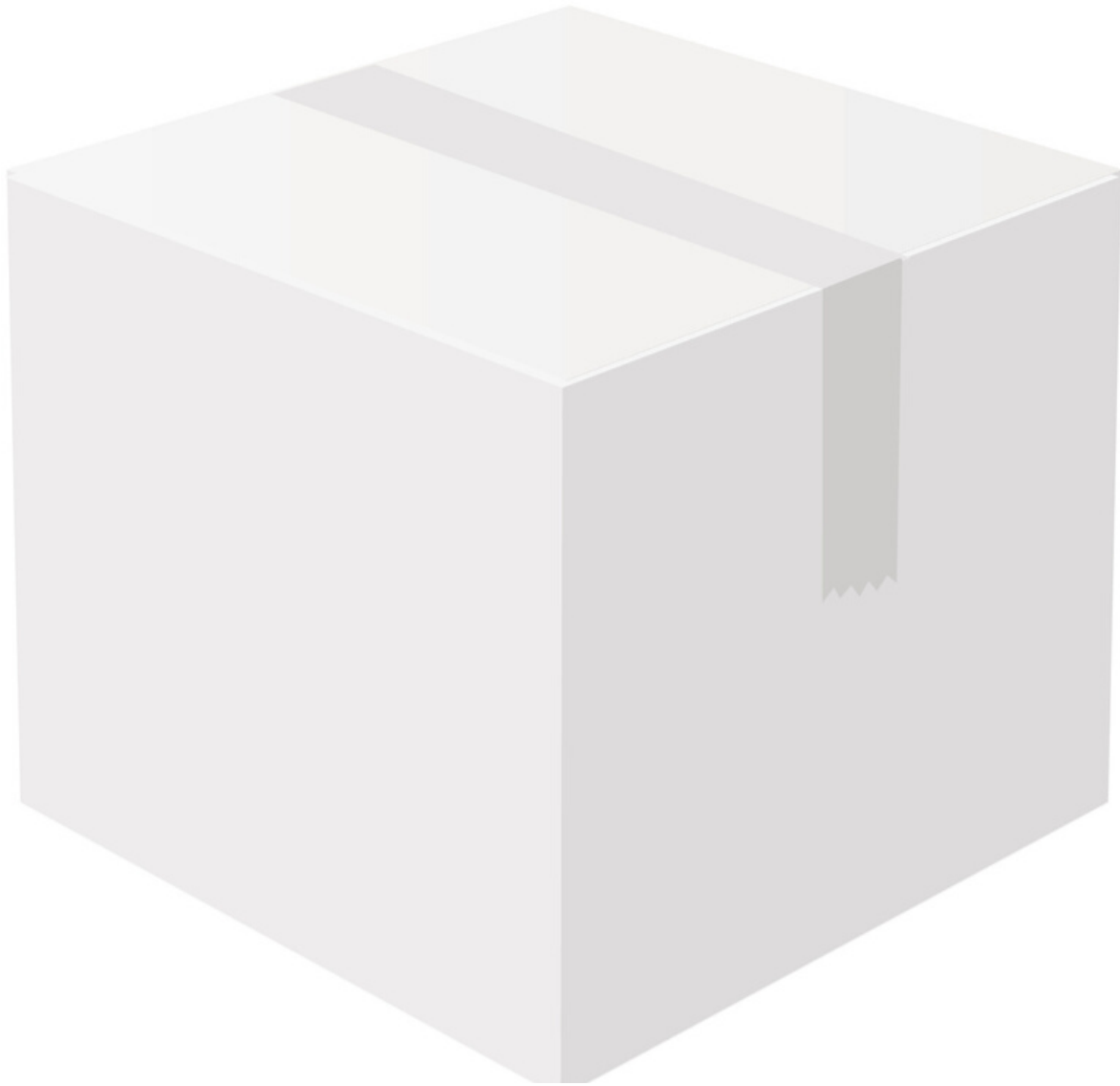
# Steps to Design a Subscription Box

## Step 3: Design Your Subscription Box

Now it's time to create your subscription box!

First, sketch the outside of your box. Your sketch must include the following:

- The name of your subscription box
- At least one graphic or picture that matches your theme
- The price of the box

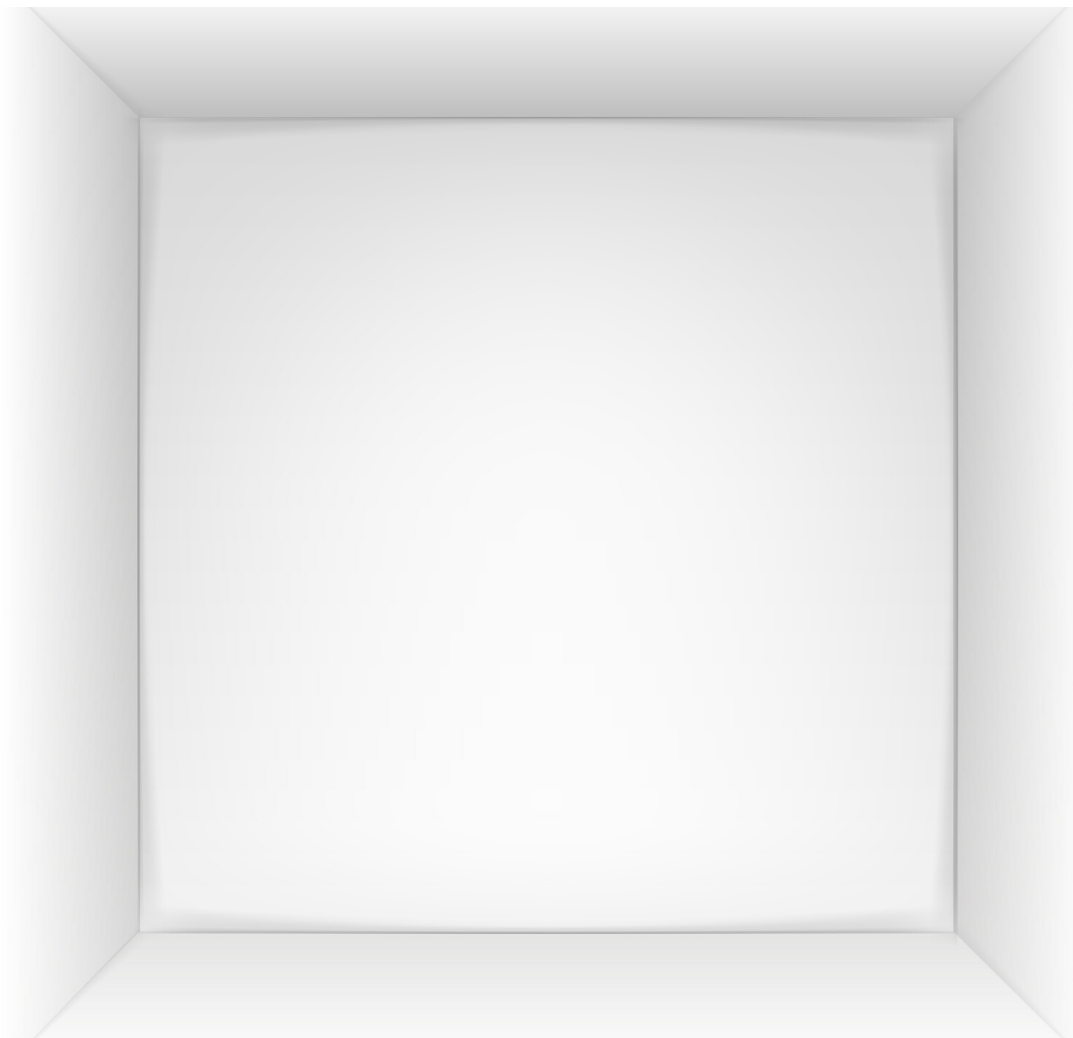


Name: \_\_\_\_\_

## Steps to Design a Subscription Box

Next, sketch the inside of your box. Your sketch must include the following:

- The four items you chose to send in your box
- A card thanking your customer for buying your box



# Answer Key

## Subscription Box Equivalent Fractions:

- Candy Box:  $\frac{6}{8}$  people want this box  $(\frac{18}{24})$
- Art Box:  $\frac{1}{4}$  people want this box  $(\frac{6}{24})$
- Math Box:  $\frac{3}{8}$  people want this box  $(\frac{9}{24})$
- Pet Box:  $\frac{6}{24}$  people want this box  $(\frac{6}{24})$

## Product Equivalent Fractions:

- Gummy Bears:  $\frac{1}{3}$  of people want this item  $(\frac{6}{18})$
- Jelly Beans:  $\frac{7}{9}$  of people want this item  $(\frac{14}{18})$
- Chocolate Bars:  $\frac{5}{6}$  of people want this item.  $(\frac{15}{18})$
- Lollipops:  $\frac{3}{18}$  of people want this item  $(\frac{3}{18})$
- Taffy:  $\frac{13}{18}$  of people want this item  $(\frac{13}{18})$
- Peanut Butter Cups:  $\frac{3}{6}$  of people want this item  $(\frac{9}{18})$
- Cotton Candy:  $\frac{5}{9}$  of people want this item  $(\frac{10}{18})$
- Bubble Gum:  $\frac{1}{6}$  of people want this item  $(\frac{3}{18})$