

# PROBLEM-SOLVING WITH FRACTIONS Task Cards



Created by Shelley Gray

# About this Resource

This resource includes 24 task cards to help your students practice problem solving with fractions. Students will use these task cards to practice this concept in a variety of different ways.

I have also included three vocabulary posters. Post these in the classroom for quick reference.

## THE THIRD GRADE Fraction STATION

a SELF-PACED, STRATEGIC,  
STUDENT-CENTERED program  
for basic fraction concepts



BY SHELLEY GRAY

Are you looking for even more support with teaching fractions in your classroom? You might be interested in the self-paced, student-centered Fraction Station that will allow your students to master fraction concepts at their own pace. Find the Fraction Stations for third and fourth grade here:

<https://www.teacherspayteachers.com/Product/The-Fraction-Station-Grades-3-4-Combo-Pack-3064881>



I'd love to help you get really strategic with your math instruction this year! Join me over on my website, [ShelleyGrayTeaching.com](http://shelleygrayteaching.com) for ideas, tips, and resources!

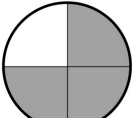
<http://shelleygrayteaching.com/>

# This resource includes...

Three fraction vocabulary posters to post in the classroom for easy reference.

## FRACTION

A **FRACTION** is a part of a whole.

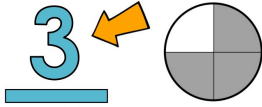
$$\frac{3}{4}$$


three-fourths

The whole has 4 parts. 3 of those parts are shaded.

## NUMERATOR

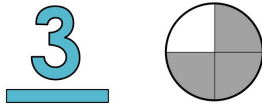
The **NUMERATOR** is the number on top. It represents the number of parts we have.

$$\frac{3}{4}$$


3 of the parts are shaded.


## DENOMINATOR

The **DENOMINATOR** is the number on the bottom. It represents the number of equal parts in the whole.







$$\frac{3}{4}$$



There are 4 equal parts in the whole

Twenty-four task cards to practice problem solving with fractions:

<p>Solve the problem.</p> <p>The cake is cut into 8 pieces. Mario eats two-eighths of the cake. Trevy and Colton each eat one-eighth of the cake. What fraction of the cake is left?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #4</small></p>	<p>Solve the problem.</p> <p>There are 5 kids in the group. 2 kids are wearing white shoes. 2 kids are wearing red shoes. 1 kid is wearing blue shoes. What fraction of the kids is wearing white shoes? How about red? How about white and blue together?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #5</small></p>
<p>Solve the problem.</p> <p>There are 7 days in one week. This week, there were 3 rainy days and 2 sunny days. The rest were cloudy. What fraction of the days were cloudy?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #6</small></p>	<p>Solve the problem.</p> <p>It is one kilometer from the playground to the store. So far, Max has walked one-fourth of a kilometer from the playground to the store. What fraction of the distance is left to walk?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #7</small></p>
<p>Solve the problem.</p> <p>Mr. Brown divides his class into 3 groups. One of the groups goes to the reading table and two of the groups work on their math homework. What fraction of his class went to the reading table? What fraction of his class worked on math homework?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #8</small></p>	<p>Solve the problem.</p> <p>Five friends go to the movie theater. Before the movie begins they are going to buy some popcorn. Each friend will eat one-half of a bag of popcorn. How many bags of popcorn do they need to buy?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #9</small></p>

<p>Solve the problem.</p> <p>Out of the ten flowers in the garden, one-half of them are orange. Three of them are pink. The rest are white. What fraction of the flowers are white?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #10</small></p>	<p>Solve the problem.</p> <p>Every day before school begins, Mrs. Wheeler sharpens the pencils. So far she has sharpened one-third of them. There are 21 pencils altogether. How many more does she need to sharpen?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #11</small></p>
<p>Solve the problem.</p> <p>Kristi and Mike are rowing the canoe down the river. It will take them one hour to get to their destination. So far they have been rowing for one-third of an hour. How many more minutes will it take for them to get there?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #12</small></p>	<p>Solve the problem.</p> <p>Today it rained 6 centimeters. 1/4 of those centimeters fall before lunch time, and the rest fall after lunch time. What fraction of the rain fell after lunch?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #13</small></p>
<p>Solve the problem.</p> <p>Mya practices piano every night for 10 minutes. So far tonight she has practiced for 8 minutes. Write a fraction for the amount of time that she has practiced, and the amount of time that is left to practice.</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #14</small></p>	<p>Solve the problem.</p> <p>At Alex's birthday party there is chocolate and vanilla ice cream. One-half of the kids want chocolate ice cream. One-fourth want vanilla. The other one-fourth don't want ice cream. If there are 12 kids at the party, how many kids are in each category?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #15</small></p>

<p>Solve the problem.</p> <p>Cody has 5 cookies. He gives 3 away and keeps 2 for himself. What fraction of the cookies does he have left for himself?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #16</small></p>	<p>Solve the problem.</p> <p>There are 9 trees in the yard. 5 of them have leaves, and the rest have no leaves. What fraction of the trees have no leaves?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #17</small></p>
<p>Solve the problem.</p> <p>12 animals came to the vet clinic today. 4 of them were dogs, 7 of them were cats. The last one was a parrot. Write a fraction for each type of animal.</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #18</small></p>	<p>Solve the problem.</p> <p>Trisha surveys eight of his friends to find out what their favorite sport is. Four of them like soccer the best. One of them likes basketball. Two of his friends like baseball. The other does not have a favorite sport. What fraction of his friends like each sport?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #19</small></p>
<p>Solve the problem.</p> <p>It is a long drive to Grandma's house. So far the family has driven one-third of the distance. What fraction of the distance is left to drive?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #20</small></p>	<p>Solve the problem.</p> <p>The hair salon has 6 customers throughout the day. Two-thirds of them have appointments before lunch, and the other third have an appointment after lunch. How many customers come before lunch? How many come after?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #21</small></p>

<p>Solve the problem.</p> <p>There are 10 rows of people at the school concert. The first 2 rows are reserved for family members. What fraction of the rows are not reserved?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #22</small></p>	<p>Solve the problem.</p> <p>In one box there are 6 muffins. 2 of them are blueberry and 1/3 of them are chocolate chip. Write a fraction for each kind of muffin.</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #23</small></p>
<p>Solve the problem.</p> <p>Out of the 10 lollipops, one-half are red. The other half are green. How many of the lollipops are red?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #24</small></p>	<p>Solve the problem.</p> <p>There are 5 windows to wash. So far, 3 of them have been washed. What fraction of the windows are left to wash?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #25</small></p>
<p>Solve the problem.</p> <p>It is 10 kilometers from Town A to Town B. If Brianna has travelled two-fifths of the distance, how many kilometers has she travelled?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #26</small></p>	<p>Solve the problem.</p> <p>Of the 8 houses on Second Street, 2 are blue and 6 are white. How many fourths of the houses are blue? How many fourths are white?</p>  <p><small>Problem Solving with Fractions 3rd Grade Card #27</small></p>

Recording sheets to help students stay organized:

**RECORDING SHEET - PAGE 3**

**Goal #1**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #2**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #3**  
Show your work  
Write the answers in the table

Animals	Fraction
Dogs	
Cats	
Parrots	

**Goal #4**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #5**  
Show your work  
Write the answers in the table

Sport	Fraction
Soccer	
Basketball	
Baseball	
No favorite sport?	

**Goal #6**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #7**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**RECORDING SHEET - PAGE 1**

**Goal #1**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #2**  
Show your work  
Write the answers in the table

Show	Fraction of fish
White ones	
Red ones	
White and Red ones	

**Goal #3**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #4**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #5**  
Show your work  
Draw a picture  
Write an answer sentence \_\_\_\_\_

**Goal #6**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #7**  
Show your work  
Draw a picture  
Write an answer sentence \_\_\_\_\_

**RECORDING SHEET - PAGE 4**

**Goal #1**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #2**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #3**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #4**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #5**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #6**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**RECORDING SHEET - PAGE 2**

**Goal #1**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #2**  
Show your work  
Draw a picture  
Write an answer sentence \_\_\_\_\_

**Goal #3**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #4**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #5**  
Show your work  
Write the answers in the table

Show	Fraction of fish	How many fish?
Blue		
White		
No fish drawn		

Answer keys to make self-checking a breeze!

**ANSWER KEY**

**Goal #1**  
Show your work  
  
Write an answer sentence Eight-tenths of the rows are not reserved.

**Goal #2**  
Show your work  
  
Write an answer sentence Five of the laptops are red.

**Goal #3**  
Show your work  
  
Write an answer sentence Bianca has travelled 3/4 kilometers.

**Goal #4**  
Show your work  
  
Write an answer sentence Two-sixths of the muffins are blueberry. Four-sixths are chocolate chip.

**Goal #5**  
Show your work  
  
Write an answer sentence Two-fifths of the cookies left for dessert.

**Goal #6**  
Show your work  
Write the answers in the table

Animals	Fraction
Dogs	$\frac{4}{12}$
Cats	$\frac{7}{12}$
Parrots	$\frac{1}{12}$

**Goal #7**  
Show your work  
  
Write an answer sentence Three-fourths of the distance left to drive.

**ANSWER KEY**

**Goal #1**  
Show your work  
  
Write an answer sentence Four-tenths of the trees have no leaves.

**Goal #2**  
Show your work  
Write the answers in the table

Sport	Fraction
Soccer	$\frac{2}{4}$
Basketball	$\frac{1}{4}$
Baseball	$\frac{1}{4}$
No favorite sport?	$\frac{1}{4}$

**Goal #3**  
Show your work  
  
Write an answer sentence There is two-thirds of the distance left to drive.

**Goal #4**  
Show your work  
  
Write an answer sentence Four customers come before lunch, and 2 customers come after lunch.

**ANSWER KEY**

**Goal #1**  
Show your work  
  
Write an answer sentence Two-fifths of the flowers are white.

**Goal #2**  
Show your work  
Draw a picture  
  
Write an answer sentence She needs to sharpen 3 more pencils.

**Goal #3**  
Show your work  
  
Write an answer sentence It will take them 40 more minutes to get there.

**Goal #4**  
Show your work  
  
Write an answer sentence Mya has practiced for eight-tenths of the time. She has two-tenths of the time left to practice.

**Goal #5**  
Show your work  
Write the answers in the table

Show	Fraction of fish	How many fish?
White	$\frac{1}{2}$	6
Red	$\frac{1}{4}$	3
Blue	$\frac{1}{4}$	3
No fish drawn	$\frac{1}{4}$	3

**ANSWER KEY**

**Goal #1**  
Show your work  
  
Write an answer sentence \_\_\_\_\_

**Goal #2**  
Show your work  
  
Write an answer sentence Two-sevenths of the days were cloudy.

**Goal #3**  
Show your work  
  
Write an answer sentence There is three-fourths of a kilometer left to walk.

**Goal #4**  
Show your work  
Write the answers in the table

Show	Fraction of fish
White ones	$\frac{2}{5}$
Red ones	$\frac{2}{5}$
White and Red ones	$\frac{3}{5}$

**Goal #5**  
Show your work  
  
Write an answer sentence One-third of Mr. Brown's class went to the cinema table. Two-thirds of the class worked on math homework.

**Goal #6**  
Show your work  
Draw a picture  
  
Write an answer sentence They need to buy three bags of popcorn.