

Word Problem Fun with Fractions

(Fractions and Mixed Numbers with
Like Denominators)



B
Mr. Salazar cut his son's birthday cake into 8 equal pieces. Mr. Salazar, Mrs. Salazar, and the birthday boy each ate 1 piece of cake. What fraction of the cake was left?



Word Problem Fun with Fractions

Materials:

- Word problem cards
- Fraction manipulatives
- Paper or math journal for recording answers and thinking

Directions:

- 1) Partners choose a word problem to solve.
- 2) They model their thinking with manipulatives and record both their answer and their thinking on paper or in their math journals. Be sure to include the letter on the task card.

A

Sue ran $\frac{9}{10}$ mile on Monday and $\frac{7}{10}$ mile on Tuesday. How many miles did Sue run in the 2 days?

B

Mr. Salazar cut his son's birthday cake into 8 equal pieces. Mr. Salazar, Mrs. Salazar, and the birthday boy each ate 1 piece of cake. What fraction of the cake was left?

**C**

Maria spent $\frac{4}{7}$ of her money on a book and saved the rest. What fraction of her money did Maria save?

D

A baker had 2 pans of corn bread. He served $1\frac{1}{4}$ pans. What fraction of a pan was left?

E

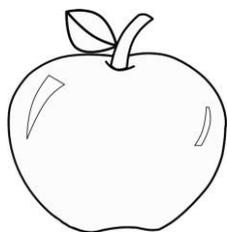
Marius combined $\frac{4}{8}$ gallon of lemonade, $\frac{3}{8}$ gallon of cranberry juice, and $\frac{3}{8}$ gallon of soda water to make punch for a party. How many gallons of punch did he make in all?

F

Mrs. Smith took her bird to the vet. Tweety weighed $1\frac{3}{10}$ pounds. The vet said that Tweety weighed $\frac{4}{10}$ pound more last year. How much did Tweety weigh last year?

G

Hudson picked $1\frac{1}{4}$ baskets of apples. Suzy picked 2 baskets of apples. How many more baskets of apples did Suzy pick than Hudson?

**H**

Zach spent $\frac{2}{3}$ hour reading on Friday and $1\frac{1}{3}$ hours reading on Saturday. How much more time did he read on Saturday than on Friday?

I

$\frac{6}{8}$ of a set of pencils need to be sharpened.

What fraction of the pencils does not need to be sharpened?

**J**

Matthew ate $\frac{4}{12}$ of a box of donuts. Tom

ate $\frac{1}{12}$ more than Matthew did. What

fraction of the box of donuts did

Matthew and Tom eat in all?

K

Three friends ate $\frac{4}{6}$ of a birthday cake.

After dinner, dad ate $\frac{1}{6}$ of the cake. How much of the cake was left?

L

On Monday morning, Juan picked some apples from the tree. In the afternoon,

he picked $\frac{1}{4}$ kilograms (kg) more apples

and then he had exactly 1 kilogram (kg) of apples. How many kilograms of apples did

Juan pick in the morning?

M

Isla walked $\frac{3}{4}$ mile each way to and from school on Wednesday. How many miles did Isla walk that day?

**N**

Mrs. Cashmore bought a large melon. She cut a piece that weighed $1\frac{1}{8}$ pounds and gave it to her neighbor. The remaining piece of melon weighed $\frac{6}{8}$ pound. How much did the whole melon weigh?

O

Ally's little sister wanted to help her make some oatmeal cookies. First, she put $\frac{5}{8}$ cup of oatmeal in the bowl. Next, she added another $\frac{5}{8}$ cup of oatmeal. Finally, she added another $\frac{5}{8}$ cup of oatmeal. How much oatmeal did she put in the bowl?

P

Joanie wrote a letter that was $1\frac{1}{4}$ pages long. Katie wrote a letter that was $\frac{3}{4}$ page shorter than Joanie's letter. How long was Katie's letter?

Q

Jose picked $2\frac{1}{2}$ buckets of berries. Juan picked $3\frac{1}{2}$ buckets of berries. How many buckets of berries did the two boys pick?

R

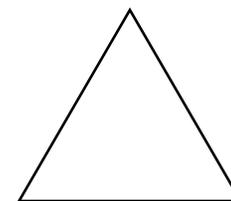
After a class party, $3\frac{1}{4}$ cartons of orange juice and $2\frac{3}{4}$ of apple juice remained from the 10 cartons the teacher purchased. How much juice was used?

S

Lisa read her new book for $2\frac{3}{4}$ hours on Tuesday. If she read for $1\frac{1}{4}$ hours before lunch on Tuesday, how long did she read after lunch?

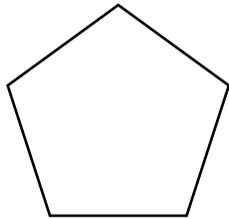
T

An equilateral triangle measures $5\frac{3}{8}$ cm on one side. What is the perimeter of the triangle?



U

A regular pentagon measures $5\frac{1}{8}$ cm on one side. What is the perimeter of the pentagon?

**V**

My dog is $6\frac{1}{2}$ years old. My cat is $2\frac{1}{2}$ years younger than my dog. How old is my cat?

W

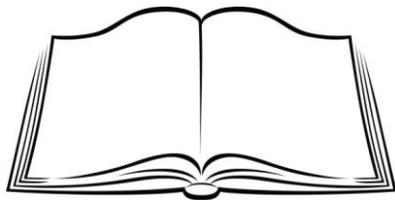
At the food store, Tom bought $2\frac{3}{8}$ kg of fruit and $3\frac{1}{8}$ kg of vegetables. What is the total weight, in kilograms (kg), of the items Tom bought?

X

Mr. Smith and his son went fishing. Mr. Smith caught $2\frac{1}{2}$ kg of fish, and his son caught $4\frac{1}{2}$ kg of fish. How many kilograms (kg) of fish did they catch in all?

Y

Susan read $5\frac{1}{6}$ chapters of a book. Tim read $3\frac{2}{6}$ chapters from the same book. How much more of the book did Susan read than Tim?

**Z**

Mrs. Jones had $1\frac{4}{8}$ pizzas left after a party. After giving some to Gary, she had $\frac{7}{8}$ pizza left. What fraction of a pizza did she give to Gary?

AA

1. Create a word problem that could be solved by adding two fractions with like denominators.
2. Represent the problem using both a diagram and an equation.
3. Solve your problem. Show your work.

Challenge: Repeat steps 1 - 3 using two mixed numbers with like denominators.

BB

1. Create a word problem that could be solved by subtracting two fractions with like denominators.
2. Represent the problem using both a diagram and an equation.
3. Solve your problem. Show your work.

Challenge: Repeat steps 1 - 3 using two mixed numbers with like denominators.

Graphics and Fonts

