

Applied Division Problems With Fractions**(5.NF.7c)**Solve each problem and write your answer in the solution box. Be sure to include the units in your answer.

#1

Solution:

There are four gallons of milk.

How many $\frac{1}{2}$ gallons of milk are there?

(workspace)

#2

Solution:

Diana practices the piano for 3 hours each week. She practices $\frac{1}{2}$ an hour on each of the days that she practices. How many days does Diana practice each week?

(workspace)

#3

Solution:

How many $\frac{1}{3}$ cup servings fit in the measuring cup shown below ?

(workspace)

#4

Solution:

Anna is making a gallon of iced tea, which requires 6 cups of iced tea mix.

She only has a $\frac{1}{4}$ cup measuring tool.How many $\frac{1}{4}$ cup scoops of iced tea mix does Anna need?

(workspace)

#5

Solution:

A father took a bite of a candy bar that left only $\frac{3}{5}$ for his children. He split the remaining amount between his two children. What fraction of the entire candy bar did each child receive?

(workspace)

#6

Solution:

Samara has 5 yards of ribbon. She wants to cut the ribbon into pieces that are each $\frac{1}{4}$ of a yard long.

How many pieces of ribbon will Samara have?

(workspace)

#7

Solution:

At the end of the day, a bakery had $\frac{3}{8}$ of a pie left over.

The 3 employees each took home the same amount of leftover pie. How much pie did each employee take home?

(workspace)

#8

Solution:

Caleb bought 2 pounds of trail mix in a large bag. He wants to put a $\frac{1}{8}$ of a pound serving of the trail mix into small bags.

How many small bags of trail mix will Caleb have?

(workspace)

#9

Solution:

The Greenberg Community Center is sponsoring a $\frac{1}{2}$ mile race. There are 6 water stations spread equally over the course of the race. What is the distance between water stations?

(workspace)

#10

Solution:

How many quarters are in twenty dollars?

(workspace)

Applied Division Problems With Fractions**(5.NF.7c)**Solve each problem and write your answer in the solution box. Be sure to include the units in your answer.

#1

Solution:

A family has 3 boxes of thin min Girl Scout cookies. Each box is separated into two equal packs. How many of these packs are in all three boxes?

(workspace)

#2

Solution:

Lucy baked a loaf of banana bread. She took half of the loaf to school. She wants to share the banana bread equally among 6 friends, *without* keeping any for herself. What fraction of the loaf will each friend get?

(workspace)

#3

Solution:

Jamal ordered 4 pizzas. How many slices of pizza did Jamal order if each slice is $\frac{1}{8}$ of a pizza?

(workspace)

#4

Solution:

A piece of lumber for building a house is eight feet long.

How many pieces that have a length of $\frac{1}{2}$ a foot can be made from the wood?

(workspace)

#5

Solution:

How many $\frac{1}{4}$ cup servings are in 2 cups of chopped nuts?

(workspace)

#6

Solution:

A farmer mows one-fifth of an acre each day. If his property has three acres, how many days will it take to mow it all?

(workspace)

#7

Solution:

Mr. Farmer bought a block of fudge that weighed $\frac{1}{2}$ of a pound. He cut the fudge into 2 equal pieces. What was the weight of each piece of fudge?

(workspace)

#8

Solution:

Denise divided $\frac{1}{2}$ pound of butter into 4 equal parts.

How much butter was in each part?

(workspace)

#9

Solution:

How much milk will each friend get if 3 friends share $\frac{1}{4}$ of a gallon equally?

(workspace)

#10

Solution:

The length of a running trail in a park is 12 miles long. There are lampposts placed every $\frac{1}{4}$ mile.

How many lampposts are along the running trail ?

(workspace)

Applied Division Problems With Fractions**(5.NF.7c)**Solve each problem and write your answer in the solution box. Be sure to include the units in your answer.

#1

Solution:

A plumber is using a pipe that is 8 inches long. He needs to cut the pipe into smaller pieces that are all

$\frac{1}{3}$ of inch long.

How many pieces will he be able to create?

(workspace)

#2

Solution:

At the end of the night,

Fredi's Pizza had $\frac{9}{10}$ of a pizza left over.

The two employees each took home the same amount of leftover pizza. How much pizza did each employee take home?

(workspace)

#3

Solution:

A furniture maker used $\frac{1}{2}$ of a can of paint to paint five chairs. He used the same amount of paint for each chair.

How much paint did he use for each chair?

(workspace)

#4

Solution:

How many scoops of the cup below would it take to fill a recipe that calls for 4 cups of milk?



(workspace)

#5

Solution:

Mary is making a gallon of iced tea which requires 5 cups of iced tea mix. She only has a $\frac{1}{4}$ cup sized measuring cup. How many scoops will she have to use to get the correct amount of mix?

(workspace)

#6

Solution:

How much cheese will each friend get if 4 friends share $\frac{1}{8}$ of a pound equally?

(workspace)

#7

Solution:

A gallery owner used $\frac{1}{5}$ of a roll of paper to wrap two paintings. She used the same amount of paper for each painting. How many rolls of paper did she use to wrap each?

(workspace)

#8

Solution:

Mrs. Zimmerman had $\frac{1}{4}$ of a cherry pie left over. She split the leftover pie evenly between her 6 children. What fraction of a pie did each child get?

(workspace)

#9

Solution:

For the food drive, the 5th Grade has a goal of collecting half a ton of canned goods. If the six classes contribute equally, what fraction of a ton will each class collect?

(workspace)

#10

Solution:

Miss Wright bought a block of cheese. The block weighed $\frac{1}{3}$ of a pound. She cut the block up into 4 equal slices. What was the weight of each slice?

(workspace)

Applied Problems With Fractions**(5.NF.7c)**Solve each problem and write your answer in the solution box. Be sure to include the units in your answer.

#1

Solution:

Daniel has a piece of wire that is a fifth of a yard long. He cuts the wire into three equal pieces.

What fraction of a yard is each piece?

(workspace)

#2

Solution:

Michelle wants to make four equal pieces from a ribbon that is a quarter of a yard long.

How long will each of the smaller pieces be?

(workspace)

#3

Solution:

For the food drive, the 5th Grade has a goal of collecting half a ton of canned goods.

If the eight classes contribute equally, what fraction of a ton will each class collect?

(workspace)

#4

Solution:

Jacob has a board that is four feet long. He cuts the board into pieces that are $\frac{1}{6}$ of a foot long.

How many pieces does Jacob have now?

(workspace)

#5

Solution:

Two athletes are training together. They have one sixth of a gallon of water remaining.

By sharing the water equally, what fraction of a gallon does each person receive?

(workspace)

#6

Solution:

Brad has 9 pounds of ground turkey to make turkey burgers for a picnic.

How many $\frac{1}{3}$ pound turkey burgers can he make?

(workspace)

#7

Four friends share one eighth of a gallon of orange juice.

Solution:

What fraction of a gallon of orange juice does each friend get?

(workspace)

#8

Robert divides 8 cups of almonds into $\frac{1}{8}$ cup servings.

Solution:

How many servings does he have?

(workspace)

#9

Elizabeth has 6 cups of raisins. She divides the raisins into $\frac{1}{3}$ cup servings.

Solution:

How many servings does she have?

(workspace)

#10

Tuan Le has 4 submarine sandwiches. He cuts each sandwich into fifths.

Solution:

How many pieces does he then have?

(workspace)

#11

Mr. Nagy wants to create six equally sized regions using only half of the gym.

Solution:

What fraction of the entire gym will be used for each region?

(workspace)

#12

A road crew paves $\frac{1}{4}$ mile of road each day.

Solution:

How many days will it take the crew to pave six miles?

(workspace)