

- 1) Robin needed $3\frac{2}{3}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?
- A single box of thumb tacks weighed $3\frac{1}{2}$ ounces. If a teacher had $4\frac{1}{7}$ boxes, how much would their combined weight be?
- 3) Chloe collected 4 times as many bags of cans as her friend. If her friend collected $\frac{1}{6}$ of a bag, how much did Chloe collect?
- 4) At the malt shop a large chocolate shake takes $\frac{8}{9}$ of a pint of milk. If the medium shake takes $\frac{1}{7}$ the amount of a large, how much does the medium shake take?
- 5) A bottle of soda had $4\frac{2}{7}$ of the daily recommended sugar. If you were to drink $\frac{1}{2}$ of the bottle, how much of the daily recommend sugar would you have drank?
- 6) A soda shop owner told his employee to add 2 full cups and $\frac{1}{5}$ of a cup of syrup to each gallon of soda. If there were 4 gallons of soda, how much syrup would be needed?
- 7) Adam had a lump of silly putty that was $4\frac{5}{6}$ inches long. If he stretched it out to $2\frac{2}{3}$ times its current length how long would it be?
- 8) A musician's hair was originally 3 inches long. She asked her hair dresser to cut $\frac{5}{6}$ of it off. How many inches did she have cut off?
- 9) After a party there was $\frac{1}{2}$ of a pizza leftover. If the George gave $\frac{1}{2}$ of the leftover to Olivia, what fraction of the pizza did he give to her?
- 10) A geologist had two rocks on a scale that weighed $2\frac{1}{2}$ lbs together. Rock A was $\frac{1}{7}$ of the total weight. How much did rock A weigh?
- 11) A air freshener used $3\frac{3}{4}$ milliliters of perfume. If Wendy wanted to make 3 air freshners, how many milliliters of perfume would she use?
- 12) A batch of chicken required $3\frac{1}{3}$ cups of flour. If a fast food restaurant was making $4\frac{3}{7}$ batches, how much flour would they need?

Answers

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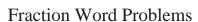
Answer Key

Name:

- 1) Robin needed $3\frac{2}{3}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?
- 2) A single box of thumb tacks weighed $3\frac{1}{2}$ ounces. If a teacher had $4\frac{1}{7}$ boxes, how much would their combined weight be?
- 3) Chloe collected 4 times as many bags of cans as her friend. If her friend collected $\frac{1}{6}$ of a bag, how much did Chloe collect?
- 4) At the malt shop a large chocolate shake takes $\frac{8}{9}$ of a pint of milk. If the medium shake takes $\frac{1}{7}$ the amount of a large, how much does the medium shake take?
- 5) A bottle of soda had $4\frac{2}{7}$ of the daily recommended sugar. If you were to drink $\frac{1}{2}$ of the bottle, how much of the daily recommend sugar would you have drank?
- 6) A soda shop owner told his employee to add 2 full cups and $\frac{1}{5}$ of a cup of syrup to each gallon of soda. If there were 4 gallons of soda, how much syrup would be needed?
- 7) Adam had a lump of silly putty that was $4\frac{5}{6}$ inches long. If he stretched it out to $2\frac{2}{3}$ times its current length how long would it be?
- 8) A musician's hair was originally 3 inches long. She asked her hair dresser to cut $\frac{5}{6}$ of it off. How many inches did she have cut off?
- 9) After a party there was $\frac{1}{2}$ of a pizza leftover. If the George gave $\frac{1}{2}$ of the leftover to Olivia, what fraction of the pizza did he give to her?
- 10) A geologist had two rocks on a scale that weighed $2\frac{1}{2}$ lbs together. Rock A was $\frac{1}{7}$ of the total weight. How much did rock A weigh?
- 11) A air freshener used $3\frac{3}{4}$ milliliters of perfume. If Wendy wanted to make 3 air freshners, how many milliliters of perfume would she use?
- 12) A batch of chicken required $3\frac{1}{3}$ cups of flour. If a fast food restaurant was making 4^3 /₇ batches, how much flour would they need?

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- $7\frac{1}{3}$
- 2. **14** $\frac{7}{14}$
- 3. ____**4**/₆
- $\frac{2^{2}}{14}$
- 6. **8** ⁴/₅
- 7. $12^{16}/_{18}$
 - $\frac{2}{6}$
- 9. 1/4
- 5/₁₄
- $11\frac{1}{4}$
- 12. 14 ¹⁶/₂₁





2 ² / ₁₄	8/63	1/4	14 7/14
4/6	$2^{3}/_{6}$	8 4/5	5/14
	$7\frac{1}{3}$	$12^{16}/_{18}$	

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- 1) An adult turtle weighed $3\frac{3}{4}$ ounces. How much would 3 adult turtles weigh?
- 2) A new washing machine used $3\frac{2}{4}$ gallons of water per full load to clean clothes. If John washed $2\frac{2}{3}$ loads of clothes, how many gallons of water would be used?
- 3) On Halloween 4 friends each received $\frac{4}{5}$ of a pound of candy. How much candy did they receive total?
- 4) On Monday Ned picked up $\frac{3}{9}$ of a pound of cans to recycle. On Tuesday he picked up $\frac{3}{4}$ that amount. How many pounds did Ned pick up on Tuesday?
- 5) An old wooden post was $4\frac{3}{5}$ feet long. If you were to cut off $\frac{1}{6}$ of it, how much would you have cut off?
- 6) A restaurant had 2 full boxes of spoons and $\frac{5}{8}$ of a box. If each full box weighed 3 kilograms, what is the combined weight of the boxes the restaurant has?
- 7) A batch of chicken required $2\frac{1}{3}$ cups of flour. If a fast food restaurant was making 4^{-1} batches, how much flour would they need?
- 8) A water pitcher could hold $\frac{1}{2}$ of a gallon of water. If Paul filled up 4 pitchers, how much water would he have?
- 9) Will picked $\frac{2}{4}$ a pound of apples, but $\frac{2}{3}$ of them were bad. Of the apples Will picked, how many pounds were bad?
- 10) A full tub of water weighed 3 $\frac{1}{8}$ pounds. If the tub were filled up only $\frac{2}{7}$ full, how much would it weigh?
- 11) A box of pencils weighed $4\frac{2}{5}$ ounces. If a principal ordered 3 boxes, how much would they weigh?
- 12) A bottle of home-made cleaning solution took $2\frac{1}{5}$ milliliters of lemon juice. If Megan wanted to make $2\frac{1}{4}$ bottles, how many milliliters of lemon juice would she need?

Answers

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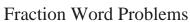
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- 1) An adult turtle weighed $3\frac{3}{4}$ ounces. How much would 3 adult turtles weigh?
- 2) A new washing machine used $3\frac{2}{4}$ gallons of water per full load to clean clothes. If John washed $2\frac{2}{3}$ loads of clothes, how many gallons of water would be used?
- 3) On Halloween 4 friends each received $\frac{4}{5}$ of a pound of candy. How much candy did they receive total?
- On Monday Ned picked up $\frac{3}{9}$ of a pound of cans to recycle. On Tuesday he picked up ³/₄ that amount. How many pounds did Ned pick up on Tuesday?
- An old wooden post was $4\frac{3}{5}$ feet long. If you were to cut off $\frac{1}{6}$ of it, how much would you have cut off?
- A restaurant had 2 full boxes of spoons and $\frac{5}{8}$ of a box. If each full box weighed 3 kilograms, what is the combined weight of the boxes the restaurant has?
- 7) A batch of chicken required $2\frac{1}{3}$ cups of flour. If a fast food restaurant was making 4^{-1} $\sqrt{}_3$ batches, how much flour would they need?
- A water pitcher could hold $\frac{1}{2}$ of a gallon of water. If Paul filled up 4 pitchers, how much water would he have?
- Will picked $\frac{2}{4}$ a pound of apples, but $\frac{2}{3}$ of them were bad. Of the apples Will picked, how many pounds were bad?
- A full tub of water weighed $3\frac{1}{8}$ pounds. If the tub were filled up only $\frac{2}{7}$ full, how much would it weigh?
- A box of pencils weighed $4\frac{2}{5}$ ounces. If a principal ordered 3 boxes, how much would they weigh?
- 12) A bottle of home-made cleaning solution took $2\frac{1}{5}$ milliliters of lemon juice. If Megan wanted to make $2\frac{1}{4}$ bottles, how many milliliters of lemon juice would she need?

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- $11\frac{1}{4}$





Solve each problem. Write your answer as a mixed number (if possible).

23/30	7 7/8	9 4/12	11 1/4
3 1/5	2	4/12	50/56
	$10\frac{1}{9}$	9/36	

- 1) An adult turtle weighed $3\frac{3}{4}$ ounces. How much would 3 adult turtles weigh?
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- 5) An old wooden post was $4\frac{3}{5}$ feet long. If you were to cut off $\frac{1}{6}$ of it, how much would you have cut off?
- 6) A restaurant had 2 full boxes of spoons and $\frac{5}{8}$ of a box. If each full box weighed 3 kilograms, what is the combined weight of the boxes the restaurant has?
- 7) A batch of chicken required $2\frac{1}{3}$ cups of flour. If a fast food restaurant was making 4^{-1} batches, how much flour would they need?
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- 9) Will picked $\frac{2}{4}$ a pound of apples, but $\frac{2}{3}$ of them were bad. Of the apples Will picked, how many pounds were bad?
- 10) A full tub of water weighed 3 $\frac{1}{8}$ pounds. If the tub were filled up only $\frac{2}{7}$ full, how much would it weigh?

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- 1) A taco recipe called for $3\frac{1}{5}$ cups of meat per taco. If Isabel wanted to make 4 tacos, how much meat would she need?
- 2) A package of paper weighs $3\frac{4}{6}$ ounces. If Edward put $3\frac{1}{2}$ packages of paper on a scale, how much would they weigh?
- 3) A farmer gives each of his horses $\frac{1}{2}$ of a salt lick a month. If he has 2 horses, how many salt licks does he use a month?
- 4) At the zoo the polar bears are fed $\frac{7}{9}$ bucket of fish a day. The penguins are fed $\frac{4}{7}$ that amount. What fraction are the penguins fed?
- 5) A full tub of water weighed $2\frac{2}{7}$ pounds. If the tub were filled up only $\frac{1}{4}$ full, how much would it weigh?
- 6) Wendy needed $2\frac{3}{4}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?
- 7) A bottle of sugar syrup soda had $3\frac{3}{9}$ grams of sugar in it. If Will drank 2 full bottles and $\frac{1}{2}$ of a bottle, how many grams of sugar did he drink?
- 8) Oliver lived 3 miles from his school. If he rode his bike $\frac{1}{2}$ of the distance and then walked the rest, how far did he ride his bike?
- 9) For a fundraiser Adam sold $\frac{2}{6}$ of a box of candy. If Faye sold $\frac{1}{4}$ the amount Adam sold, what fraction did Faye sell?
- 10) A box of markers weighed $2\frac{5}{9}$ ounces. If a teacher took out $\frac{1}{6}$ of the markers, what is the weight of the markers she took out?
- 11) A glass of lemonade took $3\frac{5}{9}$ scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- 12) A bag of strawberry candy takes $2\frac{2}{5}$ ounces of strawberries to make. If you have $2\frac{6}{9}$ bags, how many ounces of strawberries did it take to make them?

Answers

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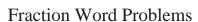




Solve each problem. Write your answer as a mixed number (if possible).

- A taco recipe called for $3\frac{1}{5}$ cups of meat per taco. If Isabel wanted to make 4 tacos, how much meat would she need?
- A package of paper weighs $3\frac{4}{6}$ ounces. If Edward put $3\frac{1}{2}$ packages of paper on a scale, how much would they weigh?
- A farmer gives each of his horses $\frac{1}{2}$ of a salt lick a month. If he has 2 horses, how many salt licks does he use a month?
- At the zoo the polar bears are fed $\frac{7}{9}$ bucket of fish a day. The penguins are fed $\frac{4}{7}$ that amount. What fraction are the penguins fed?
- A full tub of water weighed $2\frac{2}{7}$ pounds. If the tub were filled up only $\frac{1}{4}$ full, how much would it weigh?
- Wendy needed $2\frac{3}{4}$ feet of thread to finish a pillow she was making. If she has 2 times as much thread as she needs, what is the length of the thread she has?
- A bottle of sugar syrup soda had $3\frac{3}{9}$ grams of sugar in it. If Will drank 2 full bottles and $\frac{1}{2}$ of a bottle, how many grams of sugar did he drink?
- Oliver lived 3 miles from his school. If he rode his bike $\frac{1}{2}$ of the distance and then walked the rest, how far did he ride his bike?
- For a fundraiser Adam sold $\frac{2}{6}$ of a box of candy. If Faye sold $\frac{1}{4}$ the amount Adam sold, what fraction did Faye sell?
- A box of markers weighed 2 $\frac{5}{9}$ ounces. If a teacher took out $\frac{1}{6}$ of the markers, what is the weight of the markers she took out?
- A glass of lemonade took $3\frac{5}{9}$ scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- A bag of strawberry candy takes $2\frac{2}{5}$ ounces of strawberries to make. If you have $2\frac{6}{9}$ bags, how many ounces of strawberries did it take to make them?

<u>Answers</u>





Solve each problem. Write your answer as a mixed number (if possible).

2/24	1 1/2	8 ⁶ / ₁₈	23/54
1	$12\frac{4}{5}$	$12^{10}/_{12}$	28/63
	16/28	5 ² / ₄	

- 1) A taco recipe called for $3\frac{1}{5}$ cups of meat per taco. If Isabel wanted to make 4 tacos, how much meat would she need?
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- 3) A farmer gives each of his horses $\frac{1}{2}$ of a salt lick a month. If he has 2 horses, how many salt licks does he use a month?
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- 7) A bottle of sugar syrup soda had $3\frac{3}{9}$ grams of sugar in it. If Will drank 2 full bottles and $\frac{1}{2}$ of a bottle, how many grams of sugar did he drink?
- 8) Oliver lived 3 miles from his school. If he rode his bike $\frac{1}{2}$ of the distance and then walked the rest, how far did he ride his bike?
- 9) For a fundraiser Adam sold $\frac{2}{6}$ of a box of candy. If Faye sold $\frac{1}{4}$ the amount Adam sold, what fraction did Faye sell?
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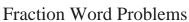


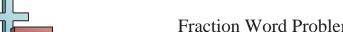
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- 1) Ned had a lump of play doh that was $3\frac{1}{2}$ inches long. If he stretched it out to 2 times its current length how long would it be?
- 2) A doctor told his patient to drink 3 full cups and $\frac{1}{2}$ of a cup of medicine over a week. If each full cup was $4\frac{1}{2}$ pints, how much is he going to drink over the week?
- 3) Janet made spicy and regular chili for the chili cookoff. She made enough spicy to fill up % of a pot. If she made 4 times as much regular chili, how many pots of regular did she have?
- 4) For Halloween $\frac{1}{4}$ of the candy sold was chocolate. Of the chocolate candy sold $\frac{7}{8}$ was made by Nestle. What fraction of all the candy sold was chocolate and made by Nestle?
- 5) A batch of donuts required $4\frac{1}{2}$ pints of glaze. If a donut store was making $\frac{3}{8}$ of a batch, how much glaze would they need?
- 6) An adult turtle weighed $4\frac{6}{7}$ ounces. How much would 4 adult turtles weigh?
- 7) A bottle of sugar syrup soda had $3\frac{3}{5}$ grams of sugar in it. If Oliver drank 3 full bottles and $\frac{2}{5}$ of a bottle, how many grams of sugar did he drink?
- 8) A farmer gives each of his horses $\frac{5}{9}$ of a salt lick a month. If he has 4 horses, how many salt licks does he use a month?
- 9) A large container of lemon juice used $\frac{5}{8}$ of a bag of lemons. If a small container used $\frac{3}{9}$ the amount of a large container, how many bags does a small container use?
- 10) A full container of industrial cleaning solution had $4\frac{\%}{8}$ liters of liquid. If the container was only $\frac{7}{8}$ full, how many liters are in there?
- 11) A air freshener used $4\frac{7}{8}$ milliliters of perfume. If Sarah wanted to make 2 air freshners, how many milliliters of perfume would she use?
- 12) A new washing machine used $3\frac{3}{4}$ gallons of water per full load to clean clothes. If Roger washed $4\frac{1}{5}$ loads of clothes, how many gallons of water would be used?

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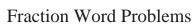
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- 3) Janet made spicy and regular chili for the chili cookoff. She made enough spicy to fill up $\frac{8}{9}$ of a pot. If she made 4 times as much regular chili, how many pots of regular did she have?
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- An adult turtle weighed $4\frac{6}{7}$ ounces. How much would 4 adult turtles weigh?
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- A farmer gives each of his horses $\frac{5}{9}$ of a salt lick a month. If he has 4 horses, how many salt licks does he use a month?
- A large container of lemon juice used $\frac{5}{8}$ of a bag of lemons. If a small container used $\frac{3}{8}$ $\sqrt{\ }_9$ the amount of a large container, how many bags does a small container use?
- A full container of industrial cleaning solution had $4\frac{6}{8}$ liters of liquid. If the container was only $\frac{7}{8}$ full, how many liters are in there?
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- A new washing machine used $3\frac{3}{4}$ gallons of water per full load to clean clothes. If Roger washed $4\frac{1}{5}$ loads of clothes, how many gallons of water would be used?

<u>Answers</u>

- $15\frac{3}{4}$



4 10/64	3 5/9	7/32	2 2/9
$15\frac{3}{4}$	$1^{11}/_{16}$	15/ ₇₂	7
	$19\frac{3}{7}$	$12\frac{6}{25}$	

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- 7) A bottle of sugar syrup soda had $3\frac{3}{5}$ grams of sugar in it. If Oliver drank 3 full bottles and $\frac{2}{5}$ of a bottle, how many grams of sugar did he drink?
- 8) A farmer gives each of his horses $\frac{5}{9}$ of a salt lick a month. If he has 4 horses, how many salt licks does he use a month?
- 9) A large container of lemon juice used $\frac{5}{8}$ of a bag of lemons. If a small container used $\frac{3}{9}$ the amount of a large container, how many bags does a small container use?
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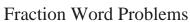
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- 1) A taco recipe called for $3\frac{5}{7}$ cups of meat per taco. If Carol wanted to make 2 tacos, how much meat would she need?
- 2) A batch of chicken required $3\frac{3}{5}$ cups of flour. If a fast food restaurant was making $2\frac{1}{4}$ batches, how much flour would they need?
- 3) Sam lived 4 miles from his school. If he rode his bike $\frac{2}{7}$ of the distance and then walked the rest, how far did he ride his bike?
- 4) For a party Paul bought cupcakes, with $\frac{5}{7}$ being chocolate. Of the chocolate cupcakes $\frac{1}{5}$ of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?
- 5) A batch of donuts required $3\frac{2}{3}$ pints of glaze. If a donut store was making $\frac{1}{7}$ of a batch, how much glaze would they need?
- 6) A air freshener used $3\frac{2}{5}$ milliliters of perfume. If Amy wanted to make 3 air freshners, how many milliliters of perfume would she use?
- 7) Katie had 4 full cement blocks and one that was $\frac{4}{6}$ the normal size. If each full block weighed $3\frac{2}{4}$ pounds, what is the weight of the blocks Katie has?
- 8) Kaleb stacked 2 pieces of wood on top of one another. If each piece was $\frac{2}{3}$ of a foot tall, how tall was his pile?
- 9) At the malt shop a large chocolate shake takes $\frac{2}{3}$ of a pint of milk. If the medium shake takes $\frac{3}{4}$ the amount of a large, how much does the medium shake take?
- 10) A box of markers weighed $4\frac{2}{5}$ ounces. If a teacher took out $\frac{5}{8}$ of the markers, what is the weight of the markers she took out?
- 11) An industrial dishwasher takes 3 gallons of water to wash a full load of dishes. If you were to wash 4 full load and $\frac{1}{4}$ of a load, how much water would you use?
- 12) A package of paper weighs $2\frac{1}{9}$ ounces. If Mike put $4\frac{1}{2}$ packages of paper on a scale, how much would they weigh?

A	n	S	w	e	r	5
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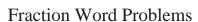
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- A taco recipe called for $3\frac{5}{7}$ cups of meat per taco. If Carol wanted to make 2 tacos, how much meat would she need?
- 2) A batch of chicken required $3\frac{3}{5}$ cups of flour. If a fast food restaurant was making 2^{-1} $/_4$ batches, how much flour would they need?
- Sam lived 4 miles from his school. If he rode his bike $\frac{2}{7}$ of the distance and then walked the rest, how far did he ride his bike?
- For a party Paul bought cupcakes, with $\frac{5}{7}$ being chocolate. Of the chocolate cupcakes $\frac{1}{5}$ of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?
- A batch of donuts required 3 $\frac{2}{3}$ pints of glaze. If a donut store was making $\frac{1}{7}$ of a batch, how much glaze would they need?
- A air freshener used $3\frac{2}{5}$ milliliters of perfume. If Amy wanted to make 3 air freshners, how many milliliters of perfume would she use?
- Katie had 4 full cement blocks and one that was $\frac{4}{6}$ the normal size. If each full block weighed $3\frac{2}{4}$ pounds, what is the weight of the blocks Katie has?
- Kaleb stacked 2 pieces of wood on top of one another. If each piece was $\frac{2}{3}$ of a foot tall, how tall was his pile?
- At the malt shop a large chocolate shake takes $\frac{2}{3}$ of a pint of milk. If the medium shake takes $\frac{3}{4}$ the amount of a large, how much does the medium shake take?
- A box of markers weighed $4\frac{2}{5}$ ounces. If a teacher took out $\frac{5}{8}$ of the markers, what is the weight of the markers she took out?
- 11) An industrial dishwasher takes 3 gallons of water to wash a full load of dishes. If you were to wash 4 full load and $\frac{1}{4}$ of a load, how much water would you use?
- A package of paper weighs $2\frac{1}{9}$ ounces. If Mike put $4\frac{1}{2}$ packages of paper on a scale, how much would they weigh?

\mathbf{A}	n	S	\mathbf{W}	e	r	S





Solve each problem. Write your answer as a mixed number (if possible).

7 3/7	11/21	6/12	2 30/40
$10^{1}/_{5}$	$1\frac{1}{7}$	$1\frac{1}{3}$	$8\frac{2}{20}$
	⁵ / ₃₅	16 ⁸ / ₂₄	

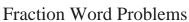
- 1) A taco recipe called for $3\frac{5}{7}$ cups of meat per taco. If Carol wanted to make 2 tacos, how much meat would she need?
- 2) A batch of chicken required $3\frac{3}{5}$ cups of flour. If a fast food restaurant was making $2\frac{1}{4}$ batches, how much flour would they need?
- 3) Sam lived 4 miles from his school. If he rode his bike $\frac{2}{7}$ of the distance and then walked the rest, how far did he ride his bike?
- 4) For a party Paul bought cupcakes, with $\frac{5}{7}$ being chocolate. Of the chocolate cupcakes $\frac{1}{5}$ of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?
- 5) A batch of donuts required $3\frac{2}{3}$ pints of glaze. If a donut store was making $\frac{1}{7}$ of a batch, how much glaze would they need?
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- 9) At the malt shop a large chocolate shake takes $\frac{2}{3}$ of a pint of milk. If the medium shake takes $\frac{3}{4}$ the amount of a large, how much does the medium shake take?
- 10) A box of markers weighed $4\frac{2}{5}$ ounces. If a teacher took out $\frac{5}{8}$ of the markers, what is the weight of the markers she took out?

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- Paul had a lump of play doh that was $3\frac{1}{5}$ inches long. If he stretched it out to 4 times its current length how long would it be?
- 2) A batch of chicken required $4\frac{4}{5}$ cups of flour. If a fast food restaurant was making 3^6 $\frac{1}{8}$ batches, how much flour would they need?
- A musician's hair was originally 2 inches long. She asked her hair dresser to cut $\frac{4}{6}$ of it off. How many inches did she have cut off?
- For a fundraiser Jerry sold $\frac{1}{3}$ of a box of candy. If Tiffany sold $\frac{2}{4}$ the amount Jerry sold, what fraction did Tiffany sell?
- A bottle of soda had $2\frac{2}{4}$ of the daily recommended sugar. If you were to drink $\frac{5}{9}$ of the bottle, how much of the daily recommend sugar would you have drank?
- A box of pencils weighed $2\frac{2}{7}$ ounces. If a principal ordered 2 boxes, how much would they weigh?
- Rachel needed a piece of string to be exactly $4\frac{2}{4}$ feet long. If the string she has is $4\frac{3}{6}$ times as long as it should be, how long is the string?
- Each day a company used $\frac{2}{3}$ of a box of paper. How much would they have used after 3 days?
- Cody filled a pitcher up $\frac{7}{8}$ full then poured $\frac{1}{3}$ of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- A box of sunflower seeds weighed $2\frac{4}{5}$ pounds. If a store sold $\frac{5}{7}$ of the box, how much did they sell (in pounds)?
- 11) An adult turtle weighed $4\frac{3}{5}$ ounces. How much would 4 adult turtles weigh?
- A doctor told his patient to drink 4 full cups and $\frac{4}{6}$ of a cup of medicine over a week. If each full cup was $4\frac{1}{7}$ pints, how much is he going to drink over the week?

<u>Answers</u>

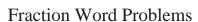




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A	n	S	W	e	r	S

- $12\frac{4}{5}$



1 2/6	2	20 ⁶ / ₂₄	7/24	
$1^{14}/_{36}$	18	$12\frac{4}{5}$	2	
	² / ₁₂	4 4/7		

- 1) Paul had a lump of play doh that was $3\frac{1}{5}$ inches long. If he stretched it out to 4 times its current length how long would it be?
- 2) A batch of chicken required $4\frac{4}{5}$ cups of flour. If a fast food restaurant was making $3\frac{6}{8}$ batches, how much flour would they need?
- 3) A musician's hair was originally 2 inches long. She asked her hair dresser to cut $\frac{4}{6}$ of it off. How many inches did she have cut off?
- 4) For a fundraiser Jerry sold $\frac{1}{3}$ of a box of candy. If Tiffany sold $\frac{2}{4}$ the amount Jerry sold, what fraction did Tiffany sell?
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- 7) Rachel needed a piece of string to be exactly $4\frac{2}{4}$ feet long. If the string she has is $4\frac{3}{6}$ times as long as it should be, how long is the string?
- 8) Each day a company used $\frac{2}{3}$ of a box of paper. How much would they have used after 3 days?
- 9) Cody filled a pitcher up $\frac{7}{8}$ full then poured $\frac{1}{3}$ of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 10) A box of sunflower seeds weighed $2\frac{4}{5}$ pounds. If a store sold $\frac{5}{7}$ of the box, how much did they sell (in pounds)?

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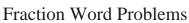
Solve each problem. Write your answer as a mixed number (if possib	ssible)
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- 1) A bowl of cereal had $4\frac{3}{9}$ grams of sugar in it. If Tom ate 4 bowls a week, how many grams of sugar would he have eaten?
- 2) Ned had a lump of silly putty that was $4\frac{1}{5}$ inches long. If he stretched it out to $3\frac{1}{2}$ times its current length how long would it be?
- 3) When Katie charges her 3DS fully it lasts for 4 hours. If she only charged it $\frac{4}{8}$ full, how long would it last?
- 4) For a fundraiser Edward sold $\frac{1}{3}$ of a box of candy. If Bianca sold $\frac{2}{3}$ the amount Edward sold, what fraction did Bianca sell?
- 5) An old wooden post was $4\frac{4}{7}$ feet long. If you were to cut off $\frac{6}{8}$ of it, how much would you have cut off?
- 6) A soda shop owner told his employee to add 2 full cups and $\frac{3}{4}$ of a cup of syrup to each gallon of soda. If there were 3 gallons of soda, how much syrup would be needed?
- 7) Wendy can read $3\frac{4}{6}$ pages of a book in a minute. If she read for $3\frac{6}{8}$ minutes, how much would she have read?
- 8) A restaurant used 2 pounds of potatoes during a lunch rush. If they used $\frac{3}{8}$ as much beef, how many pounds of beef did they use?
- 9) A large container of lemon juice used $\frac{1}{2}$ of a bag of lemons. If a small container used $\frac{2}{3}$ the amount of a large container, how many bags does a small container use?
- 10) A bag of pistachios is $4\frac{1}{5}$ ounces. If you have $\frac{3}{5}$ of a bag, how many ounces does it weigh?
- 11) A air freshener used 4 \(^5\)/₆ milliliters of perfume. If Nancy wanted to make 3 air freshners, how many milliliters of perfume would she use?
- 12) A package of paper weighs $2\frac{3}{8}$ ounces. If Will put $2\frac{1}{5}$ packages of paper on a scale, how much would they weigh?

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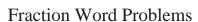




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- 2) Ned had a lump of silly putty that was $4\frac{1}{5}$ inches long. If he stretched it out to $3\frac{1}{2}$ times its current length how long would it be?
- When Katie charges her 3DS fully it lasts for 4 hours. If she only charged it $\frac{4}{8}$ full, how long would it last?
- For a fundraiser Edward sold $\frac{1}{3}$ of a box of candy. If Bianca sold $\frac{2}{3}$ the amount Edward sold, what fraction did Bianca sell?
- An old wooden post was $4\frac{4}{7}$ feet long. If you were to cut off $\frac{6}{8}$ of it, how much would you have cut off?
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- 7) Wendy can read $3\frac{4}{6}$ pages of a book in a minute. If she read for $3\frac{6}{8}$ minutes, how much would she have read?
- A restaurant used 2 pounds of potatoes during a lunch rush. If they used $\frac{3}{8}$ as much beef, how many pounds of beef did they use?
- A large container of lemon juice used $\frac{1}{2}$ of a bag of lemons. If a small container used $\frac{1}{2}$ $\frac{1}{3}$ the amount of a large container, how many bags does a small container use?
- A bag of pistachios is $4\frac{1}{5}$ ounces. If you have $\frac{3}{5}$ of a bag, how many ounces does it weigh?
- A air freshener used $4\frac{5}{6}$ milliliters of perfume. If Nancy wanted to make 3 air freshners, how many milliliters of perfume would she use?
- A package of paper weighs $2\frac{3}{8}$ ounces. If Will put $2\frac{1}{5}$ packages of paper on a scale, how much would they weigh?

A	n	S	W	e	r	S

- 17 ³/₉





Solve each problem. Write your answer as a mixed number (if possible).

14 $\frac{7}{10}$	2	17 3/9	2/9
$2^{13}/_{25}$	$13\frac{36}{48}$	6/8	3 ²⁴ / ₅₆
	2/6	8 1/4	

- 1) A bowl of cereal had $4\frac{3}{9}$ grams of sugar in it. If Tom ate 4 bowls a week, how many grams of sugar would he have eaten?
- 2) Ned had a lump of silly putty that was $4\frac{1}{5}$ inches long. If he stretched it out to $3\frac{1}{2}$ times its current length how long would it be?
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- 8) A restaurant used 2 pounds of potatoes during a lunch rush. If they used $\frac{3}{8}$ as much beef, how many pounds of beef did they use?
- 9) A large container of lemon juice used $\frac{1}{2}$ of a bag of lemons. If a small container used $\frac{2}{3}$ the amount of a large container, how many bags does a small container use?
- 10) A bag of pistachios is $4\frac{1}{5}$ ounces. If you have $\frac{3}{5}$ of a bag, how many ounces does it weigh?

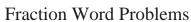
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Solve each problem	. Write your answer as	s a mived number ((if nossible)
Solve each problem.	. Wille your allswer as	s a muxeu mumber ((11 hossinie <i>)</i>

- 1) A glass of lemonade took $4\frac{1}{3}$ scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- 2) A baby frog weighed $3\frac{2}{4}$ ounces. After a month it was $4\frac{2}{4}$ times as heavy, how much did the frog weigh after a month?
- 3) Nancy was packing up some of her old stuff into a box. If each box could hold $\frac{1}{4}$ of a pound and she packed 2 boxes, how much weight did she pack?
- 4) For a party Paul bought cupcakes, with $\frac{1}{2}$ being chocolate. Of the chocolate cupcakes $\frac{2}{5}$ of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?
- 5) A bag of pistachios is $2\frac{2}{3}$ ounces. If you have $\frac{1}{6}$ of a bag, how many ounces does it weigh?
- 6) Debby needed $2\frac{1}{8}$ feet of thread to finish a pillow she was making. If she has 4 times as much thread as she needs, what is the length of the thread she has?
- 7) A single box of thumb tacks weighed $3\frac{7}{8}$ ounces. If a teacher had $4\frac{5}{7}$ boxes, how much would their combined weight be?
- 8) Isabel collected 2 times as many bags of cans as her friend. If her friend collected $\frac{3}{8}$ of a bag, how much did Isabel collect?
- 9) A large container of lemon juice used $\frac{5}{7}$ of a bag of lemons. If a small container used $\frac{6}{7}$ the amount of a large container, how many bags does a small container use?
- 10) A box of markers weighed $4\frac{7}{9}$ ounces. If a teacher took out $\frac{3}{7}$ of the markers, what is the weight of the markers she took out?
- 11) Oliver had a lump of play doh that was $2\frac{1}{4}$ inches long. If he stretched it out to 3 times its current length how long would it be?
- 12) A bottle of home-made cleaning solution took $3\frac{1}{3}$ milliliters of lemon juice. If Chloe wanted to make $3\frac{4}{9}$ bottles, how many milliliters of lemon juice would she need?

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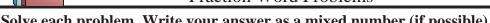


Solve each problem. Write your answer as a mixed number (if possible).

- A glass of lemonade took $4\frac{1}{3}$ scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- A baby frog weighed $3\frac{2}{4}$ ounces. After a month it was $4\frac{2}{4}$ times as heavy, how much did the frog weigh after a month?
- Nancy was packing up some of her old stuff into a box. If each box could hold $\frac{1}{4}$ of a pound and she packed 2 boxes, how much weight did she pack?
- For a party Paul bought cupcakes, with $\frac{1}{2}$ being chocolate. Of the chocolate cupcakes $\frac{2}{5}$ of them had sprinkles. What fraction of the cupcakes were chocolate with sprinkles?
- 5) A bag of pistachios is $2\frac{2}{3}$ ounces. If you have $\frac{1}{6}$ of a bag, how many ounces does it weigh?
- Debby needed $2\frac{1}{8}$ feet of thread to finish a pillow she was making. If she has 4 times as much thread as she needs, what is the length of the thread she has?
- A single box of thumb tacks weighed 3 $\frac{7}{8}$ ounces. If a teacher had 4 $\frac{5}{7}$ boxes, how much would their combined weight be?
- Isabel collected 2 times as many bags of cans as her friend. If her friend collected $\frac{3}{8}$ of a bag, how much did Isabel collect?
- A large container of lemon juice used $\frac{5}{7}$ of a bag of lemons. If a small container used $\frac{6}{7}$ $\frac{1}{2}$ the amount of a large container, how many bags does a small container use?
- A box of markers weighed 4 $\frac{7}{9}$ ounces. If a teacher took out $\frac{3}{7}$ of the markers, what is the weight of the markers she took out?
- 11) Oliver had a lump of play doh that was $2\frac{1}{4}$ inches long. If he stretched it out to 3 times its current length how long would it be?
- A bottle of home-made cleaning solution took 3 $\frac{1}{3}$ milliliters of lemon juice. If Chloe wanted to make $3\frac{4}{9}$ bottles, how many milliliters of lemon juice would she need?

13





2/10	8 4/8	6/8	18 15/56
2/4	$2^{3}/_{63}$	8/18	13
	$15^{12}/_{16}$	30/49	

- 1) A glass of lemonade took $4\frac{1}{3}$ scoops of sugar to make. If you wanted to make 3 glasses, how many scoops of sugar would you need?
- A baby frog weighed 3 $\frac{2}{4}$ ounces. After a month it was 4 $\frac{2}{4}$ times as heavy, how much did the frog weigh after a month?
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- 10) A box of markers weighed $4\frac{7}{9}$ ounces. If a teacher took out $\frac{3}{7}$ of the markers, what is the weight of the markers she took out?



- 1) A soda shop owner told his employee to add 3 full cups and $\frac{4}{7}$ of a cup of syrup to each gallon of soda. If there were 3 gallons of soda, how much syrup would be needed?
- 2) A batch of chicken required $4\frac{6}{7}$ cups of flour. If a fast food restaurant was making $3\frac{3}{4}$ batches, how much flour would they need?
- 3) When Vanessa charges her 3DS fully it lasts for 2 hours. If she only charged it $\frac{2}{8}$ full, how long would it last?
- 4) Frank filled a pitcher up $\frac{3}{4}$ full then poured $\frac{1}{2}$ of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 5) A new dish washing machine used $3\frac{3}{6}$ gallons of water per full load to clean dishes. If Ned washed $\frac{4}{7}$ of a load, how many gallons of water would be used?
- 6) A restaurant had 2 full boxes of spoons and $\frac{2}{4}$ of a box. If each full box weighed 4 kilograms, what is the combined weight of the boxes the restaurant has?
- 7) Faye needed a piece of string to be exactly $3\frac{2}{4}$ feet long. If the string she has is $4\frac{2}{4}$ times as long as it should be, how long is the string?
- 8) Lana bought a buch of packages of gum at the gas station and ate $\frac{2}{4}$ of a package each week. How much would she have eaten after 4 weeks?
- 9) At the malt shop a large chocolate shake takes $\frac{1}{7}$ of a pint of milk. If the medium shake takes $\frac{3}{5}$ the amount of a large, how much does the medium shake take?
- 10) A full truck weighed $3\frac{2}{6}$ tons. If the truck was only $\frac{4}{6}$ full, how much would it weigh?
- 11) Each day a carwash used $4\frac{1}{2}$ gallons of soap. After 4 days, how much soap would they have used?
- 12) A package of paper weighs $4\frac{4}{7}$ ounces. If Jerry put $3\frac{1}{2}$ packages of paper on a scale, how much would they weigh?

Answers

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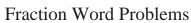
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Answer Key

Name:

- A soda shop owner told his employee to add 3 full cups and $\frac{4}{7}$ of a cup of syrup to each gallon of soda. If there were 3 gallons of soda, how much syrup would be needed?
- 2) A batch of chicken required $4\frac{6}{7}$ cups of flour. If a fast food restaurant was making 3^{3} $/_4$ batches, how much flour would they need?
- When Vanessa charges her 3DS fully it lasts for 2 hours. If she only charged it $\frac{2}{8}$ full, how long would it last?
- Frank filled a pitcher up $\frac{3}{4}$ full then poured $\frac{1}{2}$ of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- 5) A new dish washing machine used $3\frac{3}{6}$ gallons of water per full load to clean dishes. If Ned washed $\frac{4}{7}$ of a load, how many gallons of water would be used?
- A restaurant had 2 full boxes of spoons and $\frac{2}{4}$ of a box. If each full box weighed 4 kilograms, what is the combined weight of the boxes the restaurant has?
- 7) Faye needed a piece of string to be exactly $3\frac{2}{4}$ feet long. If the string she has is $4\frac{2}{4}$ times as long as it should be, how long is the string?
- Lana bought a buch of packages of gum at the gas station and ate $\frac{2}{4}$ of a package each week. How much would she have eaten after 4 weeks?
- At the malt shop a large chocolate shake takes $\frac{1}{7}$ of a pint of milk. If the medium shake takes $\frac{3}{5}$ the amount of a large, how much does the medium shake take?
- A full truck weighed $3\frac{2}{6}$ tons. If the truck was only $\frac{4}{6}$ full, how much would it weigh?
- 11) Each day a carwash used $4\frac{1}{2}$ gallons of soap. After 4 days, how much soap would they have used?
- A package of paper weighs $4\frac{4}{7}$ ounces. If Jerry put $3\frac{1}{2}$ packages of paper on a scale, how much would they weigh?

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- $10\frac{5}{7}$

- **16**





Solve each problem. Write your answer as a mixed number (if possible).

10 5/7	2 8/36	18 %	2	
³ / ₃₅	2	$15^{12}/_{16}$	4/8	
	10	3/8		

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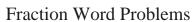


- Megan can type $2\frac{6}{7}$ sentences per minute. If she typed for 4 minutes, how much would she have typed?

<u>Answers</u>

- 2) A single box of thumb tacks weighed $3\frac{1}{2}$ ounces. If a teacher had $4\frac{4}{5}$ boxes, how much would their combined weight be?
- Tom lived 3 miles from his school. If he rode his bike $\frac{3}{8}$ of the distance and then walked the rest, how far did he ride his bike?
- Edward filled a pitcher up $\frac{2}{7}$ full then poured $\frac{2}{4}$ of the pitcher into a glass. What fraction of the total pitcher did he pour into the glass?
- A batch of donuts required $2\frac{1}{2}$ pints of glaze. If a donut store was making $\frac{1}{2}$ of a batch, how much glaze would they need?
- A taco recipe called for $4\frac{1}{8}$ cups of meat per taco. If Faye wanted to make 3 tacos, how much meat would she need?
- An old road was $4\frac{2}{9}$ miles long. After a renovation it was $2\frac{1}{3}$ times as long. How long was the road after the renovation?
- Debby collected 2 times as many bags of cans as her friend. If her friend collected $\frac{1}{6}$ of a bag, how much did Debby collect?
- At the animal shelter $\frac{4}{6}$ of the animals are cats. Of the cats $\frac{1}{2}$ are male. What fraction of the animals at the shelter are male cats?

- A new dish washing machine used $4\frac{1}{8}$ gallons of water per full load to clean dishes. If Kaleb washed $\frac{4}{6}$ of a load, how many gallons of water would be used?
- 11) An adult turtle weighed $2\frac{1}{3}$ ounces. How much would 3 adult turtles weigh?
- 12) Zoe had 3 full cement blocks and one that was $\frac{3}{6}$ the normal size. If each full block weighed $4\frac{1}{2}$ pounds, what is the weight of the blocks Zoe has?



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- $11\frac{3}{7}$





Solve each problem. Write your answer as a mixed number (if possible).

1 1/4	4/28	11 3/7	2 36/48
² / ₆	9 23/27	$16\frac{8}{10}$	1 1/8
	$12\frac{3}{8}$	4/12	

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