

Word Problems: Add and Subtract Fractions

Materials: word problem cards

1. Choose a word problem. Read the word problem carefully.
2. Reread and visualize the problem. What do you know? What do you need to find out?
3. Use visual fraction models and equations to represent and solve the problem. Show all work.
4. Answer the question in a complete sentence.
5. Check your work. Does your answer make sense? Use number sense and benchmark fractions to decide if your answer is reasonable.
6. Repeat with other word problems from the set.

Of the shirts in Peter's closet, $\frac{1}{6}$ are brown and $\frac{3}{4}$ are blue. What fraction of Peter's shirts are either brown or blue?



E

Ben rides his bike $\frac{7}{8}$ mile to school. Paul rides his bike $\frac{1}{2}$ mile to school. Who rides further? How much further?



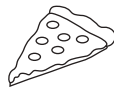
P

On Saturday $\frac{3}{4}$ of a 5th grade class went to see a new movie. If $\frac{1}{2}$ of the students went to the afternoon session, what fraction of the students went to the evening session?



A

At a class party, $\frac{4}{8}$ of a vegetarian pizza and $\frac{1}{4}$ of a cheese pizza were eaten. How much pizza was eaten in all?



B

Lia ran $\frac{2}{3}$ of a marathon. Julie ran $\frac{5}{6}$ of a marathon. Who ran farther? How much farther?



C

Liam and Sam shared a chocolate bar. Liam ate $\frac{4}{12}$ and Sam ate $\frac{3}{6}$. Who ate more? How much more?



D

Of the shirts in Peter's closet, $\frac{1}{6}$ are brown and $\frac{3}{4}$ are blue. What fraction of Peter's shirts are either brown or blue?



E

Jasmine is making cookies. The recipe calls for her to use $\frac{2}{3}$ cup of white sugar and $\frac{1}{2}$ cup of brown sugar. How many cups of sugar will Jasmine use in all?



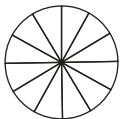
F

Mark buys $\frac{5}{6}$ pound of apples and $\frac{6}{9}$ pound of pears. How much fruit does he buy in all?



G

Tom added $\frac{3}{6}$ and $\frac{1}{2}$ and wrote an answer of $\frac{4}{12}$. Is Tom's answer correct? Explain.



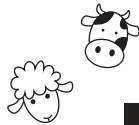
H

Lisa bakes two cakes. She uses $\frac{2}{3}$ cup of sugar for one recipe and $\frac{1}{4}$ cup of sugar for the other. How much sugar does Lisa use in all?



I

$\frac{1}{3}$ of all the animals on a farm were sheep and $\frac{1}{6}$ were cows. What fraction of the animals on the farm were either sheep or cows?



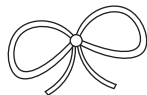
J

A running track is one kilometer long. If I jog for $\frac{1}{6}$ km and run for $\frac{2}{3}$ km will I complete the full distance of the track? Explain.



K

A ball of string is $\frac{6}{8}$ of a meter long. If I use $\frac{1}{2}$ meter of string to tie a package how much will be left?



L

Lisa bought $\frac{6}{8}$ kg of bananas. She ate $\frac{1}{4}$ kg of bananas on the way home. What fraction of the bananas was left?



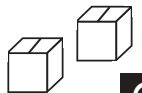
M

I ate $\frac{4}{12}$ of a box of donuts. My friend ate $\frac{2}{6}$ more than I did. What fraction of the box of donuts did we eat in all?



N

Jack weighed two boxes. The first box weighed $\frac{7}{10}$ of a pound. The second box weighed $\frac{1}{5}$ of a pound. Which box weighed less? How much less?



O

Ben rides his bike $\frac{7}{8}$ mile to school. Paul rides his bike $\frac{1}{2}$ mile to school. Who rides further? How much further?



P