Name:

#1

Choose the best answer

Sophia is watering her pea plants. She notices that $\frac{3}{4}$ of the pea plants are tall and $\frac{3}{4}$ of the tall plants have white flowers. What fraction of Sophia's pea plants are tall with white flowers? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{3}{7}$ ○ $\frac{9}{16}$

○ $\frac{2}{9}$ ○ $\frac{9}{10}$

Show your work

#2

Choose the best answer

At the movie theatre, Brianna and her friends are trying to decide what movie to go to. They want to see a comedy and dicover that $\frac{3}{4}$ of the movies showing are comedies. After discussing as a group, they decide that they are willing to watch $\frac{1}{3}$ of the comedies. What fraction of movies at the theatre are comedies that Brianna and her friends want to watch? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{1}{4}$ ○ $\frac{7}{8}$

○ $\frac{4}{7}$ ○ $\frac{1}{6}$

Show your work

#3

In Elizabeth's class $\frac{3}{4}$ of the students play a musical instrument. Of these students $\frac{3}{4}$ play piano. What fraction of the students in Elizabeth's class play piano? (Simplify your answer and write it as a proper fraction or a mixed number.)

Show your work

#4

Choose the best answer

At the movie theatre, Makayla and her friends are trying to decide what movie to go to. They want to see a comedy and dicover that $\frac{3}{4}$ of the movies showing are comedies. After discussing as a group, they decide that they are willing to watch $\frac{1}{2}$ of the comedies. What fraction of movies at the theatre are comedies that Makayla and her friends want to watch? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{2}{3}$ ○ $\frac{3}{8}$

○ $\frac{7}{8}$ ○ $\frac{4}{9}$

Show your work

#5

In Tyler's class $\frac{2}{4}$ of the students play a musical instrument. Of these students $\frac{1}{3}$ play piano. What fraction of the students in Tyler's class play piano? (Simplify your answer and write it as a proper fraction or a mixed number.)

Show your work

#6

Choose the best answer

A gardener plants tulips in the spring. Only $\frac{3}{4}$ of the tulip bulbs originally planted grow. Of the tulips that grow, $\frac{2}{3}$ of them are pink. What fraction of the original tulip bulbs produced pink flowers? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{7}{8}$ ○ $\frac{2}{5}$

○ $\frac{1}{2}$ ○ $\frac{1}{5}$

Show your work

#7

Brayden asks his friends about their favorite sports. $\frac{1}{2}$ of his friends like sports and $\frac{3}{4}$ of the those friends say that soccer is their favorite sport. What fraction of Brayden's friends like sports and say that soccer is their favorite sport? (Simplify your answer and write it as a proper fraction or a mixed number.)

Show your work

#8

Choose the best answer

Evan asks his friends about their favorite sports. $\frac{2}{4}$ of his friends like sports and $\frac{2}{3}$ of the those friends say that soccer is their favorite sport. What fraction of Evan's friends like sports and say that soccer is their favorite sport? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{1}{6}$ ○ $\frac{1}{3}$

○ $\frac{7}{9}$ ○ $\frac{4}{7}$

Show your work

#9

Choose the best answer

Julia is looking for a new car but she wants to find the right size and color. Of the cars she looks at, $\frac{2}{3}$ of the cars are medium sized. $\frac{1}{3}$ of the medium sized cars are red. If Julia wants a medium sized red car, what fraction of the original cars is she interested in buying? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{1}{2}$ ○ $\frac{1}{8}$

○ $\frac{2}{9}$ ○ $\frac{7}{9}$

Show your work

Name:

#10

Lauren is throwing a pizza party. $\frac{1}{4}$ of the pizzas she ordered have meat on them and $\frac{3}{4}$ of the meat pizzas are pepperoni pizzas. What fraction of the pizzas are pepperoni? (Simplify your answer and write it as a proper fraction or a mixed number.)

Show your work

#11

Choose the best answer

A farmer checks her bags of corn at the end of a long winter. $\frac{2}{3}$ of the bags of corn have not been damaged by frost. Of these bags of corn, $\frac{2}{4}$ of the bags have not been eaten by mice. What fraction of the bags of corn have not been damaged by frost or mice? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{7}{8}$ ○ $\frac{6}{7}$

○ $\frac{1}{3}$ ○ $\frac{2}{3}$

Show your work

#12

Choose the best answer

At the Pike Zoo, $\frac{1}{2}$ of the animals are primates. Of the primates, $\frac{2}{4}$ are monkeys. What fraction of the animals at the Pike Zoo are monkeys? (Simplify your answer and write it as a proper fraction or a mixed number.)

○ $\frac{2}{5}$ ○ $\frac{3}{7}$

○ $\frac{1}{4}$ ○ $\frac{3}{10}$

Show your work

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Question	Answer
#1	9/16
#2	1/4
#3	9/16
#4	3/8
#5	1/6
#6	1/2
#7	3/8
#8	1/3
#9	2/9
#10	3/16
#11	1/3
#12	1/4