#1

Sophia is drawing a picture on the sidewalk using chalk. She uses $\frac{4}{7}$ of a piece of red chalk, $\frac{6}{7}$ of a piece of green chalk, and $\frac{4}{7}$ of a piece of blue chalk. How many pieces of chalk does Sophia use to create the chalk drawing?

Show your work

#2

In Natalie's backyard there is a sundial that she uses to tell the time. Natalie sits down to read a book. After reading, she notes that the shadow on the sundial has moved $\frac{2}{3}$ of a rotation around the dial. After doing some yard work, she notices that the shadow has moved another $1\frac{1}{2}$ of a rotation. What fraction of a rotation has the sundial shadow moved in total?

rotations

Show your work

#3

After school, Alexander reads for $\frac{7}{8}$ of an hour and rides his bike for $\frac{5}{8}$ of an hour. How much of Alexander's night does he spend reading or riding his bike?

Show your work

#4

Choose the best answer

A bakery makes three types of bagels: plain, poppy seed, and sesame seed. $\frac{3}{4}$ of the bagels are plain and $\frac{6}{7}$ of the bagels are poppy seed. What fraction of the bagels are plain or poppy seed?

- ○ $1\frac{1}{9}$
- ○ $1\frac{1}{5}$
- ○ $1\frac{3}{10}$
- ○ $1\frac{17}{28}$

Show your work

#5

Choose the best answer

Of the flowers in a garden, $\frac{4}{7}$ of the flowers are red and $\frac{2}{7}$ of the flowers are blue. What fraction of the flowers are red or blue?

- ○ $\frac{6}{7}$
- ○ $\frac{2}{5}$
- ○ $\frac{1}{5}$
- ○ $\frac{3}{8}$

Show your work

#6

In Elizabeth's backyard there is a sundial that she uses to tell the time. Elizabeth sits down to read a book. After reading, she notes that the shadow on the sundial has moved $\frac{3}{8}$ of a rotation around the dial. After doing some yard work, she notices that the shadow has moved another $\frac{3}{8}$ of a rotation. What fraction of a rotation has the sundial shadow moved in total?

_____ rotations

Show your work

#7

Choose the best answer

Logan decides to travel to South America for a vacation. If Logan spends $1\frac{1}{2}$ months in Chile and $\frac{1}{2}$ months in Brazil before returning home, how many months did Logan spend in South America?

- ○ 1
- ○ 2
- ○ 21
- ○ 23

Show your work

#8

At the school barbecue, the grade 2 and grade 3 students are served separately. If the grade 2 students eat $\frac{1}{6}$ of a watermelon and the grade 3 students eat $1\frac{1}{2}$ of a watermelon, how many watermelons did the grade 2 and grade 3 students eat in total?

_____ watermelons

Show your work

#9

Choose the best answer

Two runners start a 15 kilometer race at the same time. It takes the first runner $2\frac{1}{2}$ of an hour to complete the race, while it only takes the second runner $1\frac{1}{3}$ of an hour to finish the race. How much longer did it take the first runner to finish the race?

- ○ $1\frac{7}{10}$
- ○ $1\frac{8}{9}$
- ○ $1\frac{1}{6}$
- ○ $1\frac{5}{8}$

Show your work

#10

Choose the best answer

$\frac{2}{5}$ of a farmer's chickens are left in the coop after a number of chickens escape through a hole in the gate. After a storm opens the door of the coop, more chickens escape and only $\frac{1}{5}$ remain. What fraction of the chickens escaped the coop through the door?

- ○ $\frac{3}{10}$
- ○ $\frac{2}{9}$
- ○ $\frac{7}{9}$
- ○ $\frac{1}{5}$

Show your work

#11

Choose the best answer

Logan decides to travel to South America for a vacation. If Logan spends $1\frac{1}{2}$ months in Chile and $\frac{1}{2}$ months in Brazil before returning home, how many months did Logan spend in South America?

- ○ 1
- ○ 2
- ○ 21
- ○ 23

Show your work

#12

Choose the best answer

Samantha drinks $\frac{4}{7}$ of her cup of coffee on her way into work in the morning. After she arrives at work, Samantha drinks another $\frac{2}{7}$ of her coffee. What total fraction of her coffee has Samantha consumed?

- ○ $\frac{3}{8}$
- ○ $\frac{6}{7}$
- ○ $\frac{2}{9}$
- ○ $\frac{1}{7}$

Show your work

Question	Answer
#1	2
#2	2 1/6
#3	1 1/2
#4	1 17/28
#5	6/7
#6	3/4
#7	2
#8	1 2/3
#9	1 1/6
#10	1/5
#11	2
#12	6/7